

Date Book
1932

Counting-House Calendar.

1932.

| JUNE. | | MAY. | | APRIL. | | MAR. | | FEB. | | JAN. | |
|-------|------|------|------|--------|------|------|------|------|------|------|--------|
| Sun. | Mon. | Tue. | Wed. | Thurs. | Fri. | Sat. | Sun. | Mon. | Tue. | Wed. | Thurs. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 4 | 5 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 13 | 14 | 15 | 16 | 17 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 20 | 21 | 22 | 23 | 24 |
| 29 | 30 | 31 | .. | .. | .. | .. | 27 | 28 | 29 | 30 | 31 |
| .. | .. | .. | 1 | 2 | 3 | 4 | .. | .. | 1 | 2 | 3 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 | 3 | 4 | 5 | 6 | 7 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 10 | 11 | 12 | 13 | 14 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 17 | 18 | 19 | 20 | 21 |
| 26 | 27 | 28 | 29 | 30 | .. | .. | 24 | 25 | 26 | 27 | 28 |

Date Book
1932



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FRIDAY, JANUARY 1, 1932

1st
Day

Happy New Year

365 Days
to come

Spent the entire day and evening working on the paper on the triangular arrangement of numbers as suggested by Prof. Bell. Practically finished it.

SATURDAY, JANUARY 2, 1932

2nd
Day

364 Days
to come

From noon until evening misc. filing including bringing to date the San Diego County maps for amphibians and lizards.

In the evening checked over the third galley proof of the Snake dance paper.

(Jan 3^d Cont.)

As of this date things are fairly well up to date. All rattlers are counted (except last Platteville lot) and put away. All reports are practically finished. San Diego County records are up to date; all card files are up to date.

Loaned Cook \$20.00 today to be repaid in March. (Repaid OK.)

Spent most of the afternoon and evening on the proof of the Snake dance paper.

The first draft of the paper on the prime triangle is finished.

SUNDAY, JANUARY 3, 1932

3rd
Day

363 Days
to come

This morning I checked over the 5 Banning specimens from the National Museum and other misc-work.

Then went down to National City and saw Mrs. Melling at 220 E 34th St. Talked over collecting and preserving. The following are a few items of information mentioned by her. M. piceus is very common at San Jose, much more so than M. lateralis. M. f. frunatus does not seem to occur at San Jose. On San Pedro Maiter there is a salamander (E. croceata?). Worm snakes are moderately common at San Jose (may be confused with A. pulchra). Frogs and toads are plenty at both points. There is a water dog at San Antonio Creek, where there is permanent water (T. torosus?). Boas are moderately common at San Jose. Gopher snakes are common at San Jose; one was found in a hens nest trying to eat the eggs; one killed a little chicken; another was trying to eat goose eggs; the goose was fighting it. Discolored L. californiae but Mrs. Melling did not recall having seen such a snake
(Continued Jan 4)

MONDAY, JANUARY 4, 1932

4th
Day

362 Days
to come

Rome records USNM.

Dipsosaurus 75131 near Bannings

Uta *mearnsi* 75134 Bannings

Xantusia *henshawi* 75158 Ed Baliff ranch
near Cabazon.

TUESDAY, JANUARY 5, 1932

5th
Day

361 Days
to come

Working on rate case tonight

(June 19th Cont)

1 Gopher M DOR Checking Station
Brown spots. Brush-trees.

1 Gopher L DOR Lemon Cove. Grass

1 Boyles King L DOR Orangehurst
Orange grove and oat field. Light brown,
narrow light stripes.

1 Gopher L DOR at Lindsay. Orange
groves. Brown spots.

1 *Thamnophis sirtalis infernalis* L
DOR Lindsay Field and irrigated
orange grove. Plenty red on this
specimen.

1 Gopher M DOR at Richgrove.
Grass. Saved this specimen.

Hyles were heard at Famoso

We reached Bakersfield at about
8 P.M. and started around the
Maricopa-Taft Loop. The night
was perfect but only three snakes
were seen all *Arizona* recently
run over but all fortunately in
good condition to preserve.

1 *Arizona* M DOR Emidio

1 *Arizona* M DOR 3 mi. W. of Emidio

(June 19 Continued on Jan 6th)

WEDNESDAY, JANUARY 6, 1932

6th
Day

Epiphany

360 Days
to come

Working on rube case tonight

June 19 Continued from Jan. 5th
1 Arizona S DOR north shore Buena
Vista Lake. There is plenty water
in the lake this year.

Hylas were heard near Greenfield.
We reached our auto camp at
midnight. Very tired. Miles for the
day 277. The car had worked terribly
especially at high altitudes. The
slightest hill required low gear. Cleaning
the screens at Visalia last night
did no good.

Miles for the trip thus far 1373.

THURSDAY, JANUARY 7, 1932

7th
Day

359 Days
to come

Working on note case

(June 20th Cont)

1 Gopher L DOR Grass and rocks
Punnybrook Retreat.

1 Gopher M DOR Tehachapi. Orchards.

On the way up the grade to Tehachapi there are a number of granite outcrops. Some are fairly rounding but no flakes were seen. On the downgrade into the Mohave the seems to be no granite. No yuccas were noted on the upgrade.

1 Gopher M DOR Monolith Grass. Brown blotches - rather light. Found this one when going back to hunt glasses which had fallen out.

1 Toad DOR Monolith; B.c. halophila.
Central line quite clear.

The first scattered tree yuccas are seen just west of Cameron. The descent to the Mohave vegetation is rather sudden. The country is hilly - almost mountainous and barren. There are considerable numbers of scattered rocks.

Hunted for a few moments at Cameron. Saw S. magister and C. collaris

1 Red Racer M DOR Cameron. In brush and rocks. Hills.

(Cont on Jan 8th)

FRIDAY, JANUARY 8, 1932

8th
Day

Battle of New Orleans

358 Days
to come

Thurs. dinner

(June 30th Continued from Jan 7th)

Yuccas are thicker at La Rose.
Here we hunted in an extensive yucca
forest in a narrow valley. Collected 3
X. virgata, *S. magister* and whips.

Cally noted at Warren

1 Arizonia S. DOR Denis (LA Co) Brush.

1 Red Racer L DOR Vincent Brush.

1 Gopher S. DOR. 6 mi E. of Paugus
(Solant?) Brush-fields.

1 Boyles King Caught in the road at
Galician. First thought he had been
run over but he was OK. next day.

This was about 8³⁰; dark, no moon.

Hylas were heard at Capistrano
and Del Mar.

Reached home at 10¹⁰. Miles for
the day 304.3; for the trip 1680

SATURDAY, JANUARY 9, 1932

9th
Day

357 Days
to come

Miscellaneous filing and note case.

Note following localities in Finney's
Arizona paper.

Pacific Rattler

Base of Picacho Peak (K 16 RM)
Tonto Country [near Roosevelt Lake]

Tiger

Picture Rocks [N. end Tucson Mts]
Sierrita Mts (L 18 RM)

Pricei

Top Old Baldy [Santa Rita]
Cerastes
near Tulare

SUNDAY, JANUARY 10, 1932

10th
Day

356 Days
to come

Miscellaneous filing and accounts
this morning.
Left for San Francisco this
afternoon.

Cook working on the rattlers
lately received in exchange from
Field Museum and Harvard.

(June 12 Continued)

1 C. silus DOR 4 mi. W. of Maricopa
Inct = Emidius Alta. Grass - light sage
1 C. silus DOR 12 mi. W. of Maricopa Inct.
Grass - light brush.

Hunted here in the brush for a short time
but saw no lizards.

1 A. c. occidentalis M DOR 3 mi. E. of
Maricopa (= Portland) Grass - oil fields.
Sawd head.

This road across the southern tip of
the San Joaquin ought to be good for
night snakes. The country looks too flat
and bare for lizards, but C. silus
evidently occurs there. We saw none
alive.

From Maricopa to McKittrick there
is too much oil development to expect
(June 12 Continued on Jan. 11)

MONDAY, JANUARY 11, 1932

11th
Day

Alexander Hamilton—Born 1757

355 Days
to come

In San Francisco

(Jaine 12 Continued from Jan 10)
reptiles. One whiptail was seen in Santa Maria Valley west of McKittrick.

Climbing over the Tumbler Range west of McKittrick the country is rather bare, although at the highest there are some rock outcrops and a few trees. Might be called Upper Sonoran. Hunted for short periods at several points, but nothing was seen - not a single lizard. It was warm but not uncomfortable.

In the Carrizo Plain we went southward around Soda Lake. Hunted at several points in grass and light brush but did not see a single lizard. There are a few scattered rocks. This was about noon. Close to the lake the brush is about knee high; eastward it is mostly grass. Westward around Sumner there are wheat fields.

We now crossed the Caliente and Pozo ranges and hunted at a few points. There are several long grades. The country is Upper Sonoran almost Transition at the tops. Two deer were seen a dog and fawn. There are several rock
(Continued Jan 12)

TUESDAY, JANUARY 12, 1932

12th
Day

354 Days
to come

In San Francisco
Saw Slevin for an hour this
afternoon.

(June 12 continued from Jan 11)
intercross. On the west slope of the
Pozo Mts the brush is very thick and
there is some granite but it is hard and
without flakes. Along the Salinas River
it looks good for amphibians.

We reached Santa Margarita at 3³⁰
and decided to go on to S.F. There is
almost no chance for collecting in the
Salinas Valley as the low DOR list shows
1 Gopher M DOR King City. Fields.

What was probably a small Boyles
King was seen on the San Juan grade.
but couldn't stop.

Reached Palo Alto at 8³⁰; waited for
Alice until 9³⁰. Reached San Francisco
at 10³⁰. Miles for the day 377; for the
trip 579. The car was working badly; 7.4
miles/gal today.

Was much disappointed in the Carrizo
Plain country and likewise the Pozo Range.
Expected to see a lot of ^{material} here but
as the list shows, it was very scant. With
heavy traffic from Santa Margarita north the lack

WEDNESDAY, JANUARY 13, 1932

4 13th
Day

353 Days
to come

Returned from San Francisco at noon today.

Read today the first page proof of the Snake dance paper. Worked on it for a while this evening.

Today I heard from Col. Grinnins that the horridus record from Devil's River was inaccurate.

~ of DOR specs prove that material is rare.

THURSDAY, JANUARY 14, 1932

14th
Day

352 Days
to come

Tired out with rate case.

(June 13th Continued)

Caliente. Both are dark chocolate brown with very faint markings. Neither has a well defined dorsal stripe; rather they are like our San Diego Co. mixed Kings - that is the markings are variable, but with no even dorsal stripe anywhere. In other words the markings are nearer boylii than californiae but are very faint. There is a jagged dorsal line connecting the rings. But no rings cross the ventral surface which is uniformly dark. This is probably the most important characteristic.

Sonora episcopa.

4 specimens [13770-3] from Comodore are unicolor like Oklahoma specimens; there is no indication of a dorsal stripe. They are of course formalin preserved. They are quite large; considerably larger than any Imperial Co. specimen I have seen.

12601-2 (Oklahoma?) and 12709 (3 mi N. of Gold-thwaite, Mills Co. Tex. are also unicolor - 5549 (4 mi. N. of Blythe Tract, San Bernardino Co.) and 5610 (Heber) have distinct dorsal stripes, now white, probably originally pink.

Uta mearnsi Cakazon, Banning, Snow Creek
(Continued on Jan 15th)

FRIDAY, JANUARY 15, 1932

15th
Day

351 Days
to come

Rate case

(June 13 Cont. from Jan. 14)

Palm Canyon, Dos Palamos, La Puerta, $\frac{1}{4}$ mi W. of
Palm Spring, Palm Spring, El Cajon Canyon (B.C.)
Uma notata New River near Palton Lake,

Signel Mt. (Imperial Valley), 2 mi. S. of Blythe
Inlet (S.B.Co.) 3 mi NE of Gray's Well (Imp. Co.)
Mouth of Altar River (Sonora).

Trimorphodon lyrophanes

11903-4 Todos Santos, B.C.

T. vandenburghi

10499 $\frac{1}{2}$ mi below Tahquitz Falls, Palm Spr.

Tantilla asiatica

10190 La Jolla (L.M.K.)

T. nigriceps

11197 Florence, Pinal Co, Ariz.

Sonora semianulata (all with black rings)

5407 Huachuca Mts

12601-2 8 mi. S.E. of Raymond, Baylor Co. Tex

12730 5 mi. N.W. of Bellevue, Clay Co, Tex.

Phyllorhynchus decurtatus

8174 Tahquitz Creek near Palm Spr.

10170 30 mi W. of Caborca, Sonora

13766 San Ignacio B.C. (600 ft.)

Anniella pulchra (Recent localities since
V.D. only)

10490-1 Todos Santos Island B.C.

(Continued on Jan 16)

SATURDAY, JANUARY 16, 1932

✓ 16th
Day

350 Days
to come

Spent the afternoon and evening
checking the first page proof of
the Snake dance paper.

(June 13 Cent from Jan 15)

10725 N. end Nachoquero Valley, B.C.

12433 Oakley, Central Costa Co.,

Bufo californicus

Valeadales and Santo Domingo River, B.C.

New Rattles

C. c. confluentus

13919 10 mi. W. of Lordsburg, Grant Co., N.M.

13920 8 mi. W. of Tularosa, Otero Co., N.M.

C. c. oregonus

13128 near West Butte, Sutter Co

C. molossus

13921 Malpais Spr., 4150 ft; Otero Co., N.M.

SUNDAY, JANUARY 17, 1932

17th
Day

Benjamin Franklin—Born 1705

349 Days
to come

Miscellaneous checking and
filing.

(June 16 Continued)

difficulty. He is large with vermillion
head and tail. The body between is
a considerably lighter gray-green
than the San Diego specimens.

In the evening we saw the bears
fed and looked for Hylas where
they were croaking but did not
secure any.

MONDAY, JANUARY 18, 1932

18th
Day

348 Days
to come

Record from L.T. Murray.
Unmistakable photo.
C. lepidus Brewster Co., Tex.
4 mi W of Alpine Aug 1928

Hylas heard tonight

(June 17 Continued)

at 3¹⁵ And arrived at 7. Stopped along the road at several points and overturned many logs and stones but found nothing. A good many skellies were seen along here on the rocks; noted at Inspiration Point.

Hunted along the creek in Peregoy Meadows for a short time and got 2 small *Rana boylei sierrae*. This was in water running out of snow drifts. Large egg masses were also collected; probably *Hyla regilla*. As usual the frogs were on the bank and took refuge in the grass on the bottom where the stream was moving rather swiftly. Two or three larger frogs were seen and lost. The eggs were attached to twigs in more quiet waters.

After putting up at the hotel we returned to Pothole Meadows and hunted
(Continued on Jan 19)

TUESDAY, JANUARY 19, 1932

19th
Day

Robert E. Lee—Born 1807

347 Days
to come

June 17 Continued from Jan 18)
hired both in the water and along the
banks, but found no *Bufo canorus*. Hylas
were very noisy and 4 were collected
in water almost touching snow banks
in places. Returned to the hotel at 9²⁰.

Miles (in the afternoon, not including
incidental driving in the valley) 36. For
the trip to date 934.

Car still working badly.

WEDNESDAY, JANUARY 20, 1932

20th
Day

346 Days
to come

(June 18th Continued)

It was found in the ditch under a bank not far from where the track crossed the road.

Hunted in the granite near Oakhurst. Got a whiptail and saw several skellies. There is much granite along the road hereabouts but it is all hard and moss covered - no flakes. A skelly was seen near Coarse Gold.

1 Gopher L DOR Oakhurst Grass

1 Gopher L DOR Coarse Gold Grass

1 Racer (*M. lateralis*) or garter, probably the former lost crossing the road at Willow Glen. Grass - brush.

1 Gopher L Caught crossing the road at Bellview. Grass. This was at 6³⁰ P.M.

Hylas were heard in irrigation ditches at Panger, Barber's Reedley, and Dinuba.

Although much driving was done in the San Joaquin Valley after dark no snakes were seen. - they cannot be common.

This was a rather tiring day. The road from Wawona including the sidetrip to the Marysma Grove and particularly the section from Sugar
(Continued on Jan 21)

THURSDAY, JANUARY 21, 1932

21st
Day

Stonewall Jackson—Born 1824

345 Days
to come

(June 18th — Continued from Jan 20)
Drive to near Friant is hard slow driving.
Evidently we took the wrong road here,
we should have gone via Bass Lake
and Northfork instead of Coarse Gold,
for a new oiled road seems to have
been almost completed over the former
route, but my map did not show it.
In addition the car was working terribly —
had to go into low on the slightest hill;
had to back up hill once.

Reached Visalia at 10⁰⁰. Miles
for the day 164.5; for the trip 1097.
As hard work as 350 miles of
ordinary travel.

FRIDAY, JANUARY 22, 1932

✓ 22nd
Day

344 Days
to come

Looked over the last page proof
of the Snake Dance paper tonight.
They say they will print Monday.

SATURDAY, JANUARY 23, 1932

23rd
Day

343 Days
to come

Spent the afternoon in miscellaneous
filings. mells for dinner

SUNDAY, JANUARY 24, 1932

24th
Day

Septuagesima

342 Days
to come

Spent the entire day putting
rattle counts on tabulation sheets
and made good headway.

As of this date all rattles
in the Basement are counted
except last Platterville

Hugo for dinner

MONDAY, JANUARY 25, 1932

✓ 25th
Day

Conversion of St. Paul

341 Days
to come

Took a last look at the Snake
dance page proof with last
revision. Went to press today.

TUESDAY, JANUARY 26, 1932

26th
Day

340 Days
to come

1. former partner of Schulach
gave me 2 small scutes today,
said to be from Victorville.

Wylie wrote that aneides came
from Valley Center grade about half
way up. Found under a rock.

Addresses

Guy Glazier
1765 Cahuenga Blvd.
Hollywood,

Robt Harway
1303 South Flores
San Antonio

Geo. Leeds
Laguna
N. Mexico.

WEDNESDAY, JANUARY 27, 1932

✓ 27th
Day

339 Days
to come

Rew a copy of the Snake dance
paper without cover. Some of the
pages are skewed and disappointing.

THURSDAY, JANUARY 28, 1932

28th
Day

338 Days
to come

FRIDAY, JANUARY 29, 1932

29th
Day

William McKinley—Born 1843

337 Days
to come

SATURDAY, JANUARY 30, 1932

30th
Day

336 Days
to come

Worked all afternoon on the rate
case.

Movie in the evening.

SUNDAY, JANUARY 31, 1932

31st
Day

Sevagesima

335 Days
to come

Worked all day on the rate case.

MONDAY, FEBRUARY 1, 1932

✓ 32nd
Day

334 Days
to come

Read today the just finished
copies of the Snake-dance paper.

TUESDAY, FEBRUARY 2, 1932

33rd
Day

Purification

333 Days
to come

Went to El Cajon Retary today.
Broadway ext. 30 miles. A cold
wet day. Nothing seen.

(May 24th Continued from Feb. 3d)
Wickenburg more arid and rolling;
tree cactus and yuccas.

1 Patch-nose DOR Wickenburg. Creek -
mesquite hills.

1 Sonoran Race, DOR 6 mi. N.W. of
Morristown (Hot Springs Inlet) Contained
a *Holbrookia texana* and a whiptail.
Brush and river.

Also one *S. magister* observed at the
same point. Morristown is a cactus -
mesquite plain. Vegetation is thin; it is arid.

There were 2 gophers DOR at the
New River Bridge $\frac{1}{2}$ way bet Marinette and Poria.
Cultivated fields. One was saved.

Stopped at Glendale to pickle specimens.
Reached Phoenix at 8¹⁰ (P.T.) and ate
supper.

1 Long nose L DOR 20 mi. W. of Phoenix.
This is between Perryville and Coldwater
probably nearer the latter.

1 Marcy's garter DOR L at Hassayampa.
Gila Bend at 10³⁰. miles for the day 235.5;
for the trip 579.0

WEDNESDAY, FEBRUARY 3, 1932

34th
Day

St. Blase

332 Days
to come

(May 29th Continued from Feb 4th)
cactus and lava. Inquired for T.C. Biggs
but he was out.

Date Creek (and the country to the
north) is a large grassy plain, with
some rock outcrops. Also cactus.

1 Patchnose M. caught crossing the
road just south of Date Creek - brush.

At the south end of Date Valley there
is much mesquite. Then bare tumbled
rocks much like those about Mt. Sprungo.

It is noticeable that the country
becomes more arid as we go south and
downward.

Piedmont is a rocky rolling plain
with cactus, small brush and much
rock. It is considerably more arid than
Date.

Uta ornata was noted 3 mi. N. of
Congress Inct. and *S. magister* 2 mi. N.

1 large gopher DOR Congress Inct.

Light brush and a wash.

At Congress Inct. there are rolling hills,
some rock outcrops, much mesquite.

A large gopher was caught crossing
the road 5 mi. S. of Congress Inct. Light
brush. 7PM (M.T.)

(Continued Feb 2nd)

THURSDAY, FEBRUARY 4, 1932

35th
Day

331 Days
to come

(May 29th Continued from May 26th)

Kirkland is also a large valley but is more arid than Skull Valley. There are some rock outcrops south of Kirkland. One one of these a *O. collaris* was seen. Can be called Kirkland.

At Kirkland we leave the railroad and follow the highway via Yava.

We stopped at a rocky granite ledge, 2.6 miles north of Hillside. This is in the McCloud Mts. Here we found a Gila Monster DOR. Brush (thick) and rocks. Didn't know they occurred in such country.

Here we collected a number of species of lizards including *Xantusia arizonae*. Whiptails were seen but not collected; also a *Coleonyx* was found under a rock flake but lost. He was distinctly striped; not mottled.

The patch where collected here was in a bush about 2 ft. ^{at the base of the old granite} above ground.

Hillside (as seen from the road) is a great, grass-covered plain to the east and rocky rolling hills to the south. Here there is plenty of
(Continued on Feb. 3^d)

FRIDAY, FEBRUARY 5, 1932

36th
Day

330 Days
to come

Recd today a tantilla from
A.H. Schlangel caught at Lake Hodges

SATURDAY, FEBRUARY 6, 1932

37th
Day

329 Days
to come

(March 24th, Continued from Feb. 7th)
Hylas were heard at Fallbrook, Vista,
Buena, San Marcos, Escondido, Painted
Rocks, Poway, Miramar (Entered on
map).

No live snakes were seen today.

Dead snakes were seen as follows.

1 Patch nose med DOR County line. Desert
This was a usual desert light colored
specimen.

1 gopher 7/8 mile DOR Beaumont grass.

1 Pacific rattlesnake fields DOR
West end Los Alamos Valley (5 mi NE
of Tenebola junction)

1 7/8 mile gopher DOR Rainbow,
light brush.

The few snakes seen, particularly
the single one in the desert indicates that
it was too early for snakes to be out.
Probably too cold nights on the desert.
Saw no sidewinder tracks.

SUNDAY, FEBRUARY 7, 1932

38th
Day

Quinquagesima

328 Days
to come

(March 24th, Continued from Feb. 8)

Umas were seen but they are very wild (maybe because it was afternoon) when started they took to ground holes at once. Worked very hard for a single specimen. One cally was collected; also utas were seen but not collected. Umas evidently follow this line of sand hills and so reach the Whitewater dunes. The latter, by the way, are very close to the highway and would be much easier to reach than where we did hunt. This afternoon hunt demonstrated once again that lizards should be hunted in the morning; one should travel in the afternoon.

We next hunted in the San Jacinto River north of San Jacinto. Turned over logs looking for *Batrachoseps* and although we found none we got *Scaphiopus*, *Bufo*, *Hyla regilla* and *Uta*. *Skellie's* were seen but not collected.

Between San Jacinto and Temecula there is considerable interesting country including much granite, some of which is partly flaked. Ought to work this country.

(Continued Feb. 6th)

(March 24th Cont)

section of desert. Here we collected Uta and Whips. Callys were seen but not collected. The new road opens up some fine new desert country; there is some sandy country where Uta's might be found but by no means certain.

Cross Carrizo wash at 96.1; U.S. 99 at 106.8; Riverside County line 130.1. Evidently the new highway meets US 99, 2 mi. above Kane Spr.

We hunted for quite a while 2 mi N. of highway intersection having reached this point at 10³⁰. We collected a number of species of lizards which will be properly recorded in collection list. Uta were moderately common but rarer than in the Sand Hills. At this point there are several sand dunes of considerable size with scattered hummocks between. Weather clear, no wind, moderately warm.

After lunch we stopped at a point about 3 mi W. of Indian Wells on the Palm Springs Road, and hunted hard in the sand dunes east of the wash (Mar 24 Cont in Mar 26 Feb 1th)

TUESDAY, FEBRUARY 9, 1932

40th
Day

Shrove Tuesday

326 Days
to come

Log of Perkins Trip on Velero III

| | | |
|-----------------|--------|------|
| San Diego | Dec. 4 | 1931 |
| Mazatlan | 7-8 | |
| Tenacatita | 9-10 | |
| Sihuatanajo | 11-12 | |
| Petatlan | 13 | |
| Acapulco | 14-15 | |
| Tangola-tangola | 16 | |
| Coiba | 20 | |
| Bahia Honda | 21-22 | |
| Panama | 23-28 | |
| Barro Colorado | 26 | |
| Malpelo | 29 | |
| Chatham | 31 | |
| Chatham | Jan 1 | 1932 |
| Charles | 2-4 | |
| Albemarle | 5-9 | |
| Narborough | 6 | |
| James | 9-12 | |
| Indefatigable | 12-13 | |
| South Seymour | 14-18 | |
| Daphne | 15 | |
| North Seymour | 17 | |
| Indefatigable | 18 | |
| Torier | 19-24 | |
| Panama | 28-31 | |

WEDNESDAY, FEBRUARY 10, 1932

41st
Day

Ash Wednesday—Lent Begins

325 Days
to come

| | | |
|----------------------|---------------|----------------------|
| Cocos | Feb 2-4, 1932 | |
| Corinto | 6-9 | |
| Acapulco | 12-13 | |
| White Friars | 14 | |
| Tenacatita | 15 | |
| Isabel | 16-17 | |
| San Gabriel Bay | 18-21 | Espiritu Santo Is. |
| Bahia de los Muertos | 21 | |
| Asuncion I | 23-24 | |
| Turtle Bay | 24-25 | |
| Cedros Island | 25-26 | Albalone Camp NE End |
| San Diego | 27 | |

THURSDAY, FEBRUARY 11, 1932

42nd
Day

Our Lady of Lourdes

324 Days
to come

Miscellaneous filing. This is the first day in a long time when I had time to do anything day or night except the retele case. (This entry meant for Saturday, Feb. 13th)

Dr. Philip Pope writes the reptiles I identified for him about a month ago were from the Owyhee River 9 miles south of Nyssa, one half way between the Owyhee & Snake Rivers.

FRIDAY, FEBRUARY 12, 1932

43rd
Day

Abraham Lincoln—Born 1809

Georgia Day (Ga.)

323 Days
to come

(April 25th Continued)

the cement mixer, followed by the sand and gravel plant. At one or two points on the pavement saw possible small snakes but couldn't stop.

Having completed the inspection trip we returned to Las Vegas with Northmore and Moore at 1:30 P.M. It was still cold and windy. Another leopard lizard was seen DOR at west entrance to Boulder City and Calveys 10 and 11 miles from Las Vegas. Miles for the morning inspection trip 87.4.

At 3 P.M., it being too cold and cloudy to hope for any hunting, we started for the Utah line.

1 Red Racer M DOR 23 mi. NE of Las Vegas light brush; level grassy plain. Call this Garnet. Gray head; quite red forward, the red being in cross stripes. Yellow brown toward the tail.

1 Arizona elegans L DOR at 24.5 mi. N.E. of Las Vegas; light brown ground color; darker brown spots. Between our desert and coastal specimens. Same light brush plain; call this Garnet.

1 Red Racer M DOR at 27.8 mi. from Las Vegas Dard specimen. Sandy wash on one side;
(Continued Feb. 13th) contained a sidewinder

SATURDAY, FEBRUARY 13, 1932

44th
Day

322 Days
to come

Ree under Feb 11th

(April 25th Continued from Feb 12th)
brush on the other; this is Dry Lake.

Tree yuccas at 61.3. Looked for
X. viridis here but had no luck. There is
now a strong cold wind.

Arizona line 83.5 mi. from Las Vegas
by my speedometer.

Utah line 16.5 miles beyond. Here were
tree yuccas again. We looked again for
Xantusia without success. Was
cold and windy. We started back at
6³⁰ P.M.

Not a lizard had been seen all
afternoon. The country looks fine for
leisurely hunting in good weather, especially
in the river sections near the state lines.

Deep noted frogs were croaking at
Hittelfield; the croak was not recognized.

A ~~large~~^{med} sidewinder caught crossing
the road at 74⁵. A cold, strong wind
blowing. This was 15.1 mi. W. of the Arizona
line. Call it Mormon Mesa, near Virgin
River.

Another larger specimen was caught
crossing the road 39.7 mi. W. of the Arizona
(Continued Feb. 14th)

SUNDAY, FEBRUARY 14, 1932

45th
Day

First Sunday in Lent—(Quadragesima)
St. Valentine's Day

321 Days
to come

Bill Pemberton came today with the specimens collected on his recent Island trip. A fine lot. Had a long talk with him about the trip.

(April 25th, Feb 13th)

line. 8²⁵ P.M. Same cold wind blowing. Call this Glendale. (1.7 mi. E. of Las Vegas)

Gopher snake found stretched across the road .6 mi. W. of the point. 8³⁰ P.M. Glendale Very cold.

A possible sidewinder was seen 39.2 mi. E. of Las Vegas, but if it was a snake it got away.

A large Coleonyx was found in the center of the road 39.2 mi. E. of Las Vegas. Still cold wind. Call this Glendale.

Ran out of gas 2.7 mi. from Las Vegas within a couple of hundred yard of Oasis Gas Station. Luck.

Reached Las Vegas at 10¹⁵. Miles for the afternoon 200.2; for the day 287.6; for the trip 821.9.

A poor day because of the weather. Surprising to see these snakes out on such a cold night. Evidently they feed at night even when it is cool in the daytime.

MONDAY, FEBRUARY 15, 1932

46th
Day

Battleship Maine Destroyed 1898

320 Days
to come

Made a check on the
Pemberton collection tonight.

TUESDAY, FEBRUARY 16, 1932

47th
Day

Mardi Gras (Ala., Fla., La.)

319 Days
to come

Worked on the Pemberton collection.
Looks as if the only possible
new items are the Santa Catalina
chuckawallas and these are probably
Plevni.

Recd today from one of the boys in
the office a ring neck from San Diego.

WEDNESDAY, FEBRUARY 17, 1932

48th
Day

318 Days
to come

Went to ^{Lamesa} ~~El Ceyon~~ Rotary club
for lunch; then to Sweetwater River.
25 miles. Nothing seen an exceedingly
cold day after much rain.

THURSDAY, FEBRUARY 18, 1932

✓ 49th
Day

317 Days
to come

✱ Talked on Snake Dance at
San Diego Museum this afternoon.

Theo. Tausch a collector was in
today and tried to sell me some
snakes. He had many queer yarns
to tell. He collects rattlers for a living.
Got 1400+ at some point in Napa Co
in one day. Rattlers don't like blue. He
picks them all up with his bare hands.
Has only been bitten twice. Gets 50¢ a
pound for the common ones. Largest rattler
he ever caught was $9\frac{1}{2}$ ft. long near
Roosevelt Dam in Ariz. Has found dens
of 50 or 60 in San Diego; usually all
one kind together. He also finds milks
mild tempered. He can trail rattlers by
sex gland smell in spring. He thinks they
travel up to 60 or 70 miles from their winter
dens (in Colorado) and has checked this
by tying threads to rattlers.

FRIDAY, FEBRUARY 19, 1932

50th
Day

316 Days
to come

Sent out first lot of snake
dance papers

(Continued from April 26th)
cold and windy. Here we collected 1 each
of X. vigilis, C. variegatus, and S. magister.
all under common yuccas.

We hunted for a while 1 mi. W. of
Mountain Pass. Here it was very cold.
There are three kinds of yuccas including
three yuccas. Got 2 X. vigilis under common
yuccas; none under tree yuccas.

Hunted at 1 P.M. at Yucca Grove which
is also called Yucca Station. This is
5 miles each of Halloran Spring. Here
we collected X. vigilis and S. magister.
These were seen under yuccas but lost.
The X. vigilis are under common yuccas
even though the tree yuccas predominate.
They prefer thoroughly rotted pieces
closely adhering to the ground.

Looked for lizards in a fine sand dune
16 miles west of Baker but had no luck.
Too cold and windy. They certainly ought
to be found there.

Yermo at 34⁵, very cold and windy,
decided to go home. Rain off and on
all the way to Escondido
(Continued Feb 20th)

SATURDAY, FEBRUARY 20, 1932

51st
Day

315 Days
to come

Miscellaneous work this afternoon; not much done as had a bad case of lumbago.

(April 26th)

(Continued from Feb. 19th)

Horned toad D.O.F. at Bonsall. Hylas noted at Elsinore, Wildomar, Murrieta, Temecula, Rainbow, Fallbrook, $\frac{1}{2}$ way bet. Fallbrook and Bonsall, Vista, Buena, San Marcos, Escondido, Bernardo, Poway, and Mission Valley. There were many toads on the road, mostly small ones, probably spadefoots but it was too late to stop. We examined 1 common toad at Escondido. Several more large toads were seen.

Reached home at 10 P.M. Miles for the day 348.0; total miles for the trip 1170.1.

SUNDAY, FEBRUARY 21, 1932

52nd
Day

Second Sunday in Lent

314 Days
to come

Spent the morning making bottle labels for the Pinkerton collection. Lumbago bad. Cant do much.

Bancrofts called for preservatives for trip to Guadalupe

MONDAY, FEBRUARY 22, 1932

53rd
Day

George Washington—Born 1732

313 Days
to come

Spent most of the day on income tax
Lumbago still bad.

TUESDAY, FEBRUARY 23, 1932

54th
Day

312 Days
to come

Went to Los Angeles early this morning and returned tonight.

Hyla regilla was heard at Capistrano, Serra, San Clemente, San Onofre, San Mateo, Railroad Underpass, Del Mar, Sorrento Slough.

WEDNESDAY, FEBRUARY 24, 1932

55th
Day

St. Matthias

311 Days
to come

Went to Los Angeles by train
tonight. Hylas noisy at Sonoma
and Del Mar.

THURSDAY, FEBRUARY 25, 1932

56th
Day

310 Days
to come

Returned from Los Angeles on
the late train tonight.

FRIDAY, FEBRUARY 26, 1932

57th
Day

309 Days
to come

SATURDAY, FEBRUARY 27, 1932

58th
Day

308 Days
to come

C.B. Perkins and the Valero III
expedition returned today.

Spent most of the afternoon with
Perkins, talking over his trip and
getting the preserved collection into
the basement.

Company in the evening.

SUNDAY, FEBRUARY 28, 1932

59th
Day

Third Sunday in Lent

307 Days
to come

Spent the morning on miscellaneous
filing. Perkins came for lunch
and the afternoon was taken up
talking over his trip and going over
his specimens which are in fine condition.
Also we went aboard the Valero.
In the evening I read Perkins
log of the trip.

See under Feb 9th

MONDAY, FEBRUARY 29, 1932

60th
Day

306 Days
to come

Spent the evening pulling
separates.

TUESDAY, MARCH 1, 1932

61st
Day

305 Days
to come

El Cajon Rotary Club. 48
miles. Cool day. Nothing seen

Schlang brought in a garter
snake from Lake Hodges dam.

Spent the evening pulling
separates.

WEDNESDAY, MARCH 2, 1932

62nd
Day

Texas Independence Day

304 Days
to come

The small marine iguana preserved
at the zoo is from Tower Island.

Culling separates tonight.
Went to L.A. and back with Rabers
today.

THURSDAY, MARCH 3, 1932

63rd
Day

303 Days
to come

Heard today of 24 red rattlers blasted
out of a rock at El Monte, in road
building. Also 4 under a culvert at
Lake Hodges.

Culling separates tonight.

FRIDAY, MARCH 4, 1932

64th
Day

302 Days
to come

Sherwin F. Wood reports X. vigiles
from Pinto Basin.
I worked late tonight (after
Philharmonia) culling separates.

SATURDAY, MARCH 5, 1932

65th
Day

301 Days
to come

Out in afternoon and evening.

SUNDAY, MARCH 6, 1932

66th
Day

Fourth Sunday in Lent (Mid Lent)

300 Days
to come

Spent most of the day
culling separates

(April 24th Continued)

also Whiptail five miles north of line.
This can only be referred to as — miles
north of Nevada State line on Searchlight
road — Puite Valley.

Stopped in a wash between two
large alluvial fans at 10 mi. S. of
Searchlight and hunted for a while. By
this time a strong wind had sprung up
and continued throughout the afternoon.
Here we got a leopard lizard and saw
Callis but did not collect the latter.
Phil. found a large toad's shell and
I a gambel's quail egg.

Had a blowout (tire) at a bootleggers
camp 8 mi. S. of Searchlight.

Stopped and hunted for a while a few
hundred yards south of Searchlight but
it was now too windy for any luck
and we worked hard with little results.
There are tree yuccas here but the fallen
ones had evidently all been used for fire
wood. Both kinds of yuccas together.
No luck on *Xantusia viridis*. Got callis
(Continued on March 7th)

MONDAY, MARCH 7, 1932

67th
Day

St. Thomas Aquinas

299 Days
to come

Spent the evening colling separates
(April 24th Continued from March 5th)
utae and whips. Phil saw a large chuck.
Miles 437.2; elevation 3555.

Phil hunted for a few moments at the
north end of Mesquite Dry Lake and got
1 Uta. Also hunted in the sand dunes
just east of Las Vegas and got 1 Uta.

Wind now too strong to expect anything.

Reached Las Vegas at 4:45. Very windy.
Tired. Miles 492.7; miles today 110.3.

This part of the trip was disappointing;
the country between Arrowhead Junction and
Las Vegas does not look very good; miles
and miles of alluvial fans. Probably plenty
of whips and callys in the morning. There
is a fairly good tree yucca forest north
of Searchlight but few fallen trunks
are seen. Saw no sand hill which
might be suspected of harboring umas.

In the evening ran down the road past Sloan.
It was quite cool although without much
breeze. Caught a *Rhinocheilus*, L, crossing the
road 15 mi S. of Las Vegas (= Sloan). This was
at 8:30. It was quite cold and the snake
was noticeably so. He may have been after
a mouse which was playing in the road.
(Continued on March 8th)

TUESDAY, MARCH 8, 1932

68th
Day

298 Days
to come

Left for Los Angeles this morning at 6⁴⁷ and arrived there at 9⁴⁷. Nothing seen along the way in either direction except a few crushed toads. A clear cool day. 244 miles total; 53.6 in S.D. County in daylight. Returned at 7⁴⁵ P.M.

(April 24th Continued from Mar. 7) nearby. It was decidedly too cold to expect snakes to be out tonight. Miles for the day 150.4; total for the trip 532.8.

WEDNESDAY, MARCH 9, 1932

69th
Day

297 Days
to come

Today I noted the material brought back by F. Lewis of the ~~Wanderer~~ ^{stranger} as follows:

- 6 Boas Guaymas
- 1 Boa (large light) Maria Madre Island.
- 1 Racer, Cape San Lucas
- 1 Spotted Night Snake, Cape San Lucas
- 4 Spiny-tailed Iguanas, Magdalena Is.
(Probably Tres-Marias).
- 43 Spiny-tailed Iguanas, Cape San Lucas.

I secured the Spotted-Night. The Racer was m.f. *fenatus*. Was whitish gray with black-scale edges and a black head.

This outfit had not been contacted for preserving. They had some rattlers which died and were thrown overboard.

THURSDAY, MARCH 10, 1932

70th
Day

295 Days
to come

(April 23^d continued from March 15th)

Arrived at Needles at 6²⁰; 352.4 mi.
from start. A cool quiet evening. Fixed
specimens; then ate supper at 8²⁰.
Then drove down to Topock and back between
9 and 10.

1 Cally DOR 9 mi. S. of Needles = Beal

1 Gray med mitchellii DOR (saved) 3 mi. N.
of Topock

1 Medium Rhinoceros DOR (saved) 2 mi.
N. of Topock.

1 Phyllorhynchus S. DOR (saved) 2 mi.
N. of Topock

1 Coleonyx still squirming 6 mi N. of
Topock = Beal.

Returned to Needles at 10¹⁰. Miles

382.4; miles for the day 180.5

Went down to the river to investigate
toads making a chattering noise
(cognatus?) but couldn't reach them.
Turned in at 10⁵⁰

FRIDAY, MARCH 11, 1932

71st
Day

295 Days
to come

(March 20th Continued)

While waiting for Alice in Claremont
found 28 *Batrachoseps* under boards.
Also 1 small *uta*.

Then started for home. Noted the following.

- 1 Gopher (juvenile) DOR Claremont (Saved).
- 1 *B. C. halophilus* DOR Lee Lake
- 1 Alligator lizard DOR Red Mountain
- 1 Gopher (juvenile) DOR Vista
- 1 Boyles King (large) DOR Lake Hodges

Reached Home at 6²⁰ Total miles

today ≈ 18.1 (uncorrected)

miles in the county 65. (uncorrected)

Evidently it had been cool and
windy on the coast today.

SATURDAY, MARCH 12, 1932

72nd
Day

294 Days
to come

Splitting separates this afternoon

(April 23^d Continued)

in a greasewood bush when first seen; ran into a large crack and was excavated with difficulty. Also got a leopard lizard; he hid under rocks twice and did not go down holes.

Whiptails and callys crossing the road at Larcie. Cally at Argoz.

We stopped at noon $\frac{1}{2}$ mi. W. of Ludlow and hunted for nearly an hour. Here there was a sand dune or sand slide on the lee or east side of a rocky hill. The sand was fine and loose. Stopped primarily to see if Umas might be found here and they were in evidence at once. They were moderately common but we only got three for they were wild. They used their usual tactics; i.e. run around a bush and swim into the sand. Sometimes they fail to bury their tails.

Callys were common. The large males perch on the rocks and bob up and down. They often run a long distance before stopping; at other times they turn suddenly and hide behind a bush. They run
(Continued on March 13)

SUNDAY, MARCH 13, 1932

73rd
Day

Fifth Sunday in Lent—(Passion Sunday)

293 Days
to come

Worked on prime paper this morning.

Left for San Francisco at 4:15

April 23^d continued from March 12^d with their tails curled over their backs and are rather easy to distinguish. But leopards, dips and whips run much the same and are not easy to distinguish (no leopards seen at this point)

Whips usually stop before entering the bush they intend to take refuge in and then go in by the usual jerky motion. Dips stop inside the bush but go into ground holes if closely pursued. Dips are very easy to shoot as they seem to feel safe if in a bush; they often stop in the first bush they come to unless badly scared.

No Otas were noted here at Ludlow. Philip found a complete $\frac{1}{3}$ grown tortoise shell. Evidently these tortoises have some enemy which is able to get out the meat.

By this time at Ludlow the wind had died down and it was moderately warm.

We ate lunch at Ludlow; also changed a tire which had started to leak. This was later repaired at Needles.

Started east from Ludlow at 2:10

(Continued on March 14)

MONDAY, MARCH 14, 1932

74th
Day

292 Days
to come

In San Francisco

(April 23^d Continued from March 13th)

Call 10 mi. E. of Ludlow = Klondike

Call 15 mi E. of Ludlow = Siberia also

P. platyrhinos DOR at this point.

Call at Haynes.

Collected 2 large male Calls at Bagdad.

They were playing or fighting on the highway. One bobbed his head up and down and displayed his throat - fan prominently; think this is the first time I ever saw the fan displayed.

Call DOR at Amboy; also at Chambliss garage which can be called Marble Mts.

leopard lizard DOR at Seim (this town considerably to the south as the new road does not parallel the railroad here).

Call 7 mi. W. of Essex (= Arimo)

Call both alive and DOR at Essex. Also a P. platyrhinos DOR at this point.

Two dips seen on the main road south of Fenner.

Patchnose, L, DOR. 10 mi. E. of Essex. This on the new road not shown on the map which takes a short cut from between Essex and Fenner to a point near Javar. Call this Point (Continued March 15th)

TUESDAY, MARCH 15, 1932

75th
Day

291 Days
to come

Returned from San Francisco
this noon

(April 23^d Continued from March 14th)
Mts. was usual light colored spotted, desert
form and of large size. Rocky alluvial fan
with scattered cactus, yuccas, and brush.

Hunted here for a while, turning over
many dead yuccas. These are not tree yuccas
but are much the same (if not exactly the
same) as we have on the Coast. Got 1 *Xantusia*
vigilis under a yucca and lost another. They
are certainly not common here. This was
5 to 5³⁰ P.M.

1 Patch nose M. DOR 8 mi W. of junction
with old road (= 19 mi W. of Needles). Cactus.
Rocky alluvial fan. Usual light colored
desert form. (May be called Sacramento Mts)

1 *Mitchellii*, gray, badly smashed (sawd
head) 7 mi W. of junction and 18 mi. W. of Needles.
Rocky - light brush.

P. platyrhinos DOR 3 mi. W. Junction and 12
mi. from Needles. Sandy; brush. This can be
called *Klinefelter*. Sawd specimen.

1 fine large *Mitchellii*, gray, sawd specimen.
1 mi. W. of Junction and 11 mi. from Needles.
Rocky alluvial fan. Light brush. *Klinefelter*.

Junction with old road at 341.7
(Continued March 10th)

WEDNESDAY, MARCH 16, 1932

76th
Day

290 Days
to come

(March 14th, continued from Mar. 17)
Few made any attempt to escape, and
fewer still were lost. We got all
sizes from very large females to
young. 2 pairs were mating, one on land
and one in the water. In both cases the
female was larger. We caught only
2 more toads.

Miles for the evening trip 6.8.

Returned to hotel at 840

This was certainly the best Rana
hunting I ever had. The evening was
cool and comfortable - not cold, but
still no chance for snakes.

No snakes seen today alive or
dead.

Total miles for the day (^{un}corrected)
592.6 (will make correction when
speedometer has been checked).

The termites were Reticulitermes
tibialis (identification by Paul Harvey)

THURSDAY, MARCH 17, 1932

77th
Day

St. Patrick's Day

289 Days
to come

(March 19, continued from March 18)
are quite scattered. Also found under a branch
a half grown *S. magister* quite dormant
with cold. This is a rolling mesa with
greasewood and a few yuccas; it ought
to be fine lizard country in hot weather.
We reached Victorville at 6¹⁵. miles
uncorrected 285.8.

In the evening at about 8 o'clock we
went up the road to the highway bridge
over the Mohave river. Hylas could be
heard everywhere, in the marshes and
along the river as well. We stopped
at the bridge and listened for quite
a while before the first *B. californicus*
could be heard, but this was probably
due to the noise the Hylas were making.

We decided to look for Bufo and
almost immediately Phil. got one
at the top of the bluff. So we went
down along the river. We found *Rana*
aurora draytonii very plentiful and
easy to catch and all together we
got 40. It was only necessary
to shine the flashlight on them,
whether in the water or on the sand
and they could then be picked up.
(Continued on March 16)

FRIDAY, MARCH 18, 1932

78th
Day

288 Days
to come

(March 19th Continued)

We traveled by way of Keenach Fairmont, Lancaster, Palmdale, Little Rock, Llano.

We first stopped at the Yucca forest 4½ miles ^{west} of Fairmont. This was about 13° in the afternoon. It was still cool and cloudy. Here we found the *Xantusia viridis* hunting good and we caught 25 all together. Mostly they were underneath dead yucca limbs, particularly those still retaining leaves; less often in the limbs or under bark. When discovered they try to escape in the debris. It is quite moist where they are found. They are nearly black when uncovered, but soon get lighter. They probably live on termites which are very plentiful in the dead stems. We saw 2 other lizards, probably *utae*.

Lancaster at 227.0 is quite sagebrushy.

At 53° we stopped 10.2 mi. S.W. of Victorville and got 16 more *Xantusias* mostly under dead yucca branches. Here they seemed to be lighter in color (maybe because it was dryer here). They were mostly under smooth branches without leaves here. The branches here
(Continued on March 17)

SATURDAY, MARCH 19, 1932

79th
Day

St. Joseph

287 Days
to come

This morning at 6²¹ started for Los Angeles with Gg and Phil. A cool overcast day. County line at 54.1. Was overhauled by a cop north of San Clemente. Said I was going 55 when the speedometer registered 42. Tested the car against RR mile posts and found 40 miles on the speedometer equals about $47\frac{1}{2}$ miles. Distances will have to be corrected in the same ratio.

Reached Southern Pacific Station at 9²¹. and picked up Shorty. Nothing seen enroute.

After some shopping we started from Los Angeles for the Antelope Valley via the Ridge Route. The weather continued cool and cloudy. There is no granite on the Ridge Route. Turn into the Antelope Valley at 190.8.

The upper or west end of the Antelope Valley is moderately level and mostly cultivated. There are many abandoned orchards. It probably was once a thinly covered sagebrush plain, looking more like a scrubland country than it does now. East of Del Sur it becomes more dry and sagebrushy ~~than~~ and then melts into the Mohave desert.
(Continued March 18)

SUNDAY, MARCH 20, 1932

80th
Day

Palm Sunday

286 Days
to come

Today we returned to San Diego from Victorville via San Bernardino, Claremont, Chino, Corona, Temescal Canyon and the inland road from Elsinore.

Last night it blew hard and this morning at Victorville a cold hard wind was blowing off the snow clad mountains. It was much too cold for collecting and very disagreeable. At about 9²⁰ we went to Dead Man's Point about 11 mi E. of Victorville. We first stopped in the yuccas about 3 mi E. of Victorville and got 2 *Xantusia viridis*.

At Deadman's Point got one *Uta stans* and a *Xantusia viridis*, both under rock flakes. Also saw a skelly but lost him. This looks like fine country; the granite is about the same quality as at Mountain Springs. There are some fairly good flakes. The *Xantusia* was under a very large cap rock, at least 3 ft. above ground. So they do run on rocks.

We now returned to Victorville. Then stopped 13 mi S.W. of Victorville near south end of Yucca Belt. Much too cold for *Xantusias*. Found 1 skelly under a branch. He was quite dormant with cold.
(Continued to March 11)

MONDAY, MARCH 21, 1932

81st
Day

First Day of Spring

285 Days
to come

TUESDAY, MARCH 22, 1932

82nd
Day

284 Days
to come

Went out to the El Cajon Rotary club to make up with Philip. A clear, warm day. Afterwards went out a few miles beyond Alpine and looked in the rocks for a few minutes. A few lizards were seen, probably utas and skellies. 60 miles.

1 Juvenile Gopher DOR at Flynn Springs

WEDNESDAY, MARCH 23, 1932

83rd
Day

283 Days
to come

Today went out to La Mesa to
take Phil's bike. A clear warm day.
Out to Cajon; return on Broadway ext.
One large organism DO R at Chollas Mts.
light brush.

Today outfitted the Bancrofts
with one 5 gal can of formalin;
11 Jars ($\frac{1}{2}$ gal) each containing 1 qt;
2 cleaning rods; 2 Winchester heavy
single shots; tags; 500 rounds of
ammunition; one scissors.

THURSDAY, MARCH 24, 1932

84th
Day

Maundy Thursday

282 Days
to come

This morning at 6⁰⁸ we started for the desert; entire family plus Alice. A fine clear quiet day; a little fog in the low places in the early morning hours. Warm on the desert but not hot; just a little too warm for comfort in walking.

Route: El Cajon Ave, El Cajon, Lakeside, Ramona, Julian, Banner, Pateros Narrows, New highway to a point near Kane Springs, north through Indio, Palm Springs, Banning, Moreno Grade, San Jacinto, Hemet, Winchester, Temecula, Ramona, Fallbrook, Escondido. Reached home at 7⁵⁰. Total miles 322. (Note: The speedometer seems to be OK on distances but not speeds.) Miles in S.D. County morning 92; afternoon count to Fallbrook only afc darkness making it 9 mi..

Between the foot of the Sentencia Canyon and the Narrows the lizards were plentiful on the rocks and quite continuously. Other lizards were not seen except possibly a *S. magister* seen by Philip.

The first stop was made 4 mi inside the San Diego County line in a rather rocky (Continued on Feb 8th)

FRIDAY, MARCH 25, 1932

85th
Day

Good Friday—(Annunciation)—Maryland Day

281 Days
to come

(April 3d Continued)

Turned over a few logs but saw nothing. There are granite boulders at several points in the grade but none appear of good quality. Skellies were seen at several points. The creeks and rivers are poor; too many boulders; no soil.

Heard Hyla arenicolor at Strawberry creek and noted skellies here; also skellies at North fork crossing.

Hunted at the San Jacinto bridge north of San Jacinto. Skellies and stars were thick. Got only 1 toad; also many little toads one of which is a spade foot. Many polywogs in sight.

Oke snake DOR at Rainbow; couldn't stop as was passing another car at the time.

SATURDAY, MARCH 26, 1932

86th
Day

Easter Even

280 Days
to come

Read mathematical paper at the meeting of the Mathematical Assn. of America at State College this afternoon.

Miscellaneous filing and recording this ~~afternoon~~ evening.

Philip reports Horned Toad at base end of Pugetwater; $\frac{1}{2}$ way up San Inguinal = utas; top = skulls.

SUNDAY, MARCH 27, 1932

87th
Day

Easter Sunday

279 Days
to come

Worked all day and evening splitting
up Proc. Phila. Acad.

MONDAY, MARCH 28, 1932

88th
Day

278 Days
to come

This morning at 9 went with Perkins to San Clemente to confer with Southern Counties officials. Returned at 3 P.M. Total miles in county 109; miles outside 6; Total 115. A clear warm day.

1 C.C. mormon L DOR Old Town Bridge
Grass-River.

1 L.g. boylii L DOR Morena
Grass - St. brush.

1 R. lecontei J DOR La Costa Grass

1 L.g. boylii L DOR La Costa Grass.

1 Horned toad crossing the road at
Rose Canyon.

Hunted for a few moments at San Mateo
Creek bridge.

Paw Rana, *Hyla regilla* (caught 1)
Skellies and 1 large garter lost in
retrap.

TUESDAY, MARCH 29, 1932

89th
Day

277 Days
to come

Went out to El Cajon Rotary Club
this noon. A clear warm day.
Broadway, El Cajon, Bostonia, Lakeview,
Santee, Fletcher Hills. 40 miles.

1 P.c. annexatus Juv. Chollas Hts

DOR still squirming, brush, saved.

1 P.b. blainvillii Bostonia crossing the road.

1 P.c. annexatus L. Santee grass DOR.

1 B.c. halophilus Fletcher hills. many
others squashed on the road; not identified.

1 T.o. hammondi DOR Port-grass

Alvarado canyon

1 P.b. blainvillii do.

WEDNESDAY, MARCH 30, 1932

90th
Day

276 Days
to come

(April 2nd Continued)

In these damp canyons we found 2 small *Triturus* scowling loose, also a large one in a hole under a stone where it was quite dry. Then we found many in the water in the creek. Many pairs in coitu. Also eggs.

Batrachoseps were found at several points from 3 mi. E. of Hot Springs to 2 mi. W. They were found under both stones and logs, but were more plentiful under the latter.

One Toad DOR 1 mi. E. of Capistrano B.C.H.

Took both *regilla* and *sierrae* near Hot Springs.

There is some granite on mt. tops and some boulders in creek but we saw none suitable for *Xantusia* close to road.

Stopped at San Mateo Creek bridge at about 7:30 and collected *R. a. daytoni*, *H. regilla* and 4 *B. californicus*. For the first time found the latter in the water and probably calling as trills were heard all around. Did not actually see one trill. Also stopped and heard the trill at Oceanside.

THURSDAY, MARCH 31, 1932

91st
Day

275 Days
to come

This afternoon went out to Pine Valley to look at lizards. Started at 4:30 & returned at 5:15. A clear warm day. Out Broadway and Helix; returned by way of Market St. 91 miles.

1 Juvenile gopher DOR. Descanso
lt brush.

1 Juvenile gopher DOR. Viejas
grass.

Today Bogert advised me of the following localities:

Crotalus atrox "a few miles north-east of Indian Wells," Riverside Co.
Amorpha^s semiannulata Boulder City, Nev.
Rattlers in cotton.

Desert Boa: Kolb's Ranch, near wind power tower, desert side Pan Gorgonio Pass.

FRIDAY, APRIL 1, 1932

92nd
Day

274 Days
to come

Went to Camp Kearney today to
see the oil well. 44 miles! Clear
and warm.

1 Juvenile gopher DOR Camp Kearney
light brush.

1 large m. lateralis DOR Rosedale
Brush.

Walker told me today of finding
a Tantilla at Santee under
a board.

SATURDAY, APRIL 2, 1932

93rd
Day

273 Days
to come

This afternoon went to Ran Juan Hot Springs with Kranzthor.

Started at 11° ; returned at 9° .
A clear cool day; quite cold along the ocean.

Total miles 162.0. Miles in Ran Diego County in daylight 56.

Little was seen in the road; in fact nothing along the coast except a large box turtle at Morano which had been checked in before.

The road up Hot Springs Canyon looks good; ought to be a fine trip when completed through to Elsinore.

2 mi. W. of Hot Springs there was a large M. lateralis in the road. Stopped and looked for him in the brush. Must have stepped on him without seeing him as we found the loose end of his tail still squirming.

Got a medium garter at 3 mi beyond Hot Springs which was 3 mi W. of where we turned around.

At this point and westward we hunted at several small damp canyons; also along the river. Got skellies and an alligator; saw no utas.
(Continued March 30th)

SUNDAY, APRIL 3, 1932

94th
Day

Low Sunday

272 Days
to come

Today went to Tahquitz Lodge and also San Jacinto with Philip. A clear warm day. Total miles 240. miles in San Diego County in daylight 119. Started at 8¹⁵; returned at 6⁵⁰. Few snakes were seen, none alive.

| | | | |
|------------------|-------|---------|------------|
| 1 P.c. annectens | L DOR | Muraman | Grass-bush |
| 1 do | S " | Poway | Grass |
| 1 G.s. webbia | " | Red Mt. | Brush. |

Hunted for awhile in the large granite boulders 1.4 mi. N. of Riv. S.D. Co. line. *Oreuttis* and *skellies* are here in abundance, but the rocks are n.g. Too hard; rounded edges but without flakes.

Found the same true of the rocks in and between the several valleys between Temecula and Winchester. The rocks are all too hard to flake although there were plenty of *Oreuttis*, *skellies* and *utas*. Also an occasional whiptail. Looks like good snake country, but we saw none.

We hunted especially 11 mi. S. of Winchester (call it Auld) and 1 mi. S. of Winchester. Dead horned toads at Auld; also at Herret.

At Tahquitz Lodge the country doesn't look particularly inviting; too dry.
(Continued to march 25)

MONDAY, APRIL 4, 1932

95th
Day

271 Days
to come

Recd today from Carroll, Kobler and
Freddy Wright

290 *T. torosus* (Boulder Creek)

Eggs

"

"

4 *Hyla arenicolor*

"

1 Alligator Lizard

"

1 Gopher Snake (large) (Santa Fe Ranch)

They also had a large California King
from Boulder Creek, but this got lost
in transit. (later recovered - a fine spec)

Recd today from Benedict a
juvenile gopher, DOR Chollas Mts.

Had a mouse in stomach.

Today shipped to Perkins at Denver

2 Winchester Single-shot rifles

500 shells

2 Ram-rods

Tags, steel wool

Diadophis a. similis 731b had a
young *geophonotus* in stomach

TUESDAY, APRIL 5, 1932

96th
Day

270 Days
to come

Splitting Phila. Acad. Proc. tonight

(April 10th Continued)

as more were needed. Skellies were noted to plentiful. Collected both species of Hylas.

Again stopped at the creek crossing 3 mi. south of De Luz. Here collected many Hylas of both species and 1 Rana of two seen. The H. arenicolor as usual were plastered on the rocks along the creek.

The boys hunted in the rocks 6 mi. S. of De Luz. Philip saw a large banded racer in the brush but lost him. Cook got a bat.

| | | | |
|------------------|--------|--------------|-------------|
| 1 T.O. hammondi | S. DOR | Bonsall | grass |
| 1 P.C. annectans | M DOR | San Luis Rey | grass |
| 1 do | J | " | Rose Canyon |
| 1 do | M | " | " |

Total miles 132.

WEDNESDAY, APRIL 6, 1932

97th
Day

U. S. Joined the Allies 1917

269 Days
to come

Recd today

From Karl Kilgore caught at
Spring Valley 1 worm Snake

From Myers a Horned-toad from
Encanto.

From Bud Hathcock 36 small snakes
and a number of skinks.

THURSDAY, APRIL 7, 1932

98th
Day

268 Days
to come

(April 8th Continued)
cars and other noises. Impossible
to get a silent moment. This system
will not work in the early evening.

FRIDAY, APRIL 8, 1932

99th
Day

267 Days
to come

Went to Los Angeles on business
this afternoon. A clear warm day.
Went alone. Started at 2 P.M.; arrived
at 9 P.M. miles 125.4. miles in
San Diego County 54.

1 *P. c. annectens* Juv. D.O.R. Rose Canyon
Grass

1 *M. lateralis* med. D.O.R. Encinitas
Grass

1 *P. c. annectens* med D.O.R. Oceanside
Grass.

1 *P. b. blainvillii* D.O.R. Dana Point.

1 *L. g. boglii* L. D.O.R. 3 Arch Bay Fields.

Uta noted along at Laguna Beach.

Turned inland up Laguna Canyon. Good
looking country. Stopped to hunt about
1 mi. N.E. of the town in a creek and
along the base of hills. Hunted until 6¹⁵.
Collected 3 *Hylas* and 1 *gerhonotus*. also
1 small *Batrachoseps* but lost him.
Skellies noted; plentiful. Alligator was
under a rock.

Hylas noted at Irvine, Norwalk
and Riviera. Listened for toads
at Santiago Creek near Orange,
Santa Ana River, San Gabriel River and
Rio Hondo but no luck. Too many
(Continued April 7th)

SATURDAY, APRIL 9, 1932

100th
Day

266 Days
to come

Returned from Los Angeles today.
Started at 12³⁰, arrived at 7¹⁰.
A very warm day. Alone. Miles
131.7. Miles in San Diego Co. in
daylight 49. Took the detour via
Orange, Irvine Park, Santiago
Canyon, Alio Creek, El Toro; otherwise
all via the highway. Hunted
for a few moments at several places
along the Santiago Creek. Was well
very plentiful in the sandy wash
here. Noted particularly at foot
of Silverado and Williams Canyons.
Collected one at the latter point; also
caught a large turtle in a pool
and turned him loose.

1 C. ruber L DOR Mexico Grade 7¹/₂
mi. NE of El Toro grass (sawd).
1 P. c. annectens J Caught crossing the
road 4 mi. NE of El Toro. Creek fields.
1 P. c. annectens J. DOR Galvan fields
1 do do do do
(sawd both above).
1 P. c. annectens M DOR 2 mi. N. of
County line; fields.
1 C. c. oregonus J. DOR Stuart, fields
(sawd head)

Recd today via Abbott a juvenile Oregonus from
Sundt.

SUNDAY, APRIL 10, 1932

101st
Day

265 Days
to come

Today went to De Luz with Philip and Cack. Started at 9 AM; returned at 4:15. A hot day. Went out via Murphy Canyon, Esccondido, Moosa Canyon and Fallbrook; returned via Bonsall, Oceanside and the coast highway.

The only good looking granite on the Moosa Canyon road is at the top of the grade and not near the road. There is no good granite on the Fallbrook - De Luz road - some granite but too hard; the best is not near the road.

1 M. lateralis M DOR Rosedale Grass

1 Horned toad alive at Poway

1 M. lateralis J DOR Top Moosa Canyon; ^{Brush} Creek

1 M. lateralis lost crossing the road

Moosa Canyon ^{Brush}

1 Whiptail L Xing road at Moosa, ^{Brush}

Utas noted at Moosa Canyon

After getting to the end of the road at De Luz, we returned about 1/2 mile to the creek crossing (concrete ford) ate lunch here and hunted awhile down the creek. Several T. torosus were noted, but we did not collect
(Continued April 5)

MONDAY, APRIL 11, 1932

102nd
Day

264 Days
to come

Bancrofts returned from the islands today bringing me about 15 lizards and 4 snakes. The best item is an oreganus from lat. 29° , a new southern record and overlapping enyo.

TUESDAY, APRIL 12, 1932

103rd
Day

Halifax Independence Resolutions (N. C.)

263 Days
to come

At the zoo today noted a large
Oregonian from Joe Zubri RR2
Box 116, Yuccaipa, Calif. from
Oak Glen 4800 ft, S.W. San Bernardino
Co., NE of Banning.

Milked 10 rattlers today; 10 reds,
1 pacific. The first of the season.
For the first time checked lengths and
weight.

WEDNESDAY, APRIL 13, 1932

104th
Day

Thomas Jefferson—Born 1742

262 Days
to come

Spitting Phila. Acad. Proc.
tonight.

THURSDAY, APRIL 14, 1932

105th
Day

261 Days
to come

Tonight it was noted that the Dicamp. ensatus gives a croak or grunt when its back is scratched. This spec. from near Alpine School, in Salt Pond area.

FRIDAY, APRIL 15, 1932

106th
Day

260 Days
to come

Worked on pamphlets.

SATURDAY, APRIL 16, 1932

107th
Day

259 Days
to come

Phil with a bad cold. Worked on pamphlets (A N S Phila) all afternoon and evening and finished splitting these up. A long hard job.

SUNDAY, APRIL 17, 1932

108th
Day

258 Days
to come

Identified some of the Perkins
island specs.

Worked hard on the pamphlets;
begin to see daylight at last.
Fixed up the Cope Phila Academy
book

Recd today from Atackton 250s
Gulid a young oreganus taken
at this point.

MONDAY, APRIL 18, 1932

109th
Day

257 Days
to come

Tonight started a complete overhaul of the vertical separate file (800) got as far as A-C.

Noted today a pair of C. ruber at the Zoo trying to mate.

Recd today from one of the office boys a juvenile C.C. mitchellii from Hurlburt Grove, Deseanso.

TUESDAY, APRIL 19, 1932

110th
Day

Patriot's Day (Mass., Me.)

256 Days
to come

Tonight finished overhauling
the 800 separates to N.

El Ceyin Rotary Club today;
various back roads; 30 mi.; nothing
seen.

WEDNESDAY, APRIL 20, 1932

111th
Day

255 Days
to come

Finished overhauling separates
to V.

Dr. Jean Hinsdale worked in the
basement this evening. Read the ms.
of his very interesting paper on
Lower California Reptiles.

(April 22nd Continued)

1 Red Racer DOR L Temecula green grass.
(a large specimen; very bright red with
black head).

At Victorville bridge went down to
the River for a few moments. Only Hyles
were heard and these faintly — too cold
for enthusiasm. No toads were heard.

At Barstow bridge *Hyla regilla* was
heard in considerable numbers. Too cold
to hunt; was blowing a gale.

No rooms at the Melrose; stopped
at the Beacon Tavern.

THURSDAY, APRIL 21, 1932

112th
Day

Spanish American War Began 1898
Battle of San Jacinto (Texas)

254 Days
to come

Today I finished overhauling
the 800 separate series. They
are now in better shape than ever
before; all in order and labelled.
Most magazine series and annuals
have been separated.

4-21-32

Mr. W. A. L. :

I have

just w/rd another two
boxes with your collection.
Hope everything is back
in its proper place.

Again, thank you.

G. Linsdale

FRIDAY, APRIL 22, 1932

113th
Day

253 Days
to come

Today at 2¹⁰ P.M. started for Hoover Dam with Philip. A cool, breezy day after a windstorm lasting several days. Increasingly cold as we progressed. At San Bernardino said to have been 34° the night before. Very cold and windy when we reached the desert. Could not expect any reptiles to be out, or any to have been out in the daytime. Two mice were seen on the road; evidently they stand cold better than reptiles. Altogether an exceedingly unfortunate time to have to start on the trip.

Reached Barstow at 8³⁰; miles to County line 65.1; total miles for the day 201.9.

1 Horn Toad DOR Poway grass

1 B.c. halophilus DOR Escondido City. A good many toads were seen altogether as it had rained the day before.

Skellies were seen on a rock near a pool at Escondido.

1 Oreganus juv. DOR Fallbrook; grass-bush

1 Patchnose med DOR Red Mt. grade; brush.

(usual dark coastal phase)

1 B.c. halophilus DOR Rainbow (grass)

1 Horn Toad

" " "

(Continued to April 20)

SATURDAY, APRIL 23, 1932

114th
Day

St. George

252 Days
to come

This morning at Barstow we woke up at 7⁴⁵. It was cold with a strong wind blowing. Started for Needles at 9 AM.

1 Patchnose M DOR 5 mi. E. of Barstow (=Nebo)

Thin brush; rocky ground. Usual desert light colored specimen.

We stopped for $\frac{1}{2}$ hour (9³⁰-10) at the Daggett bridge over the Mohave River. Although the stream was a considerable river at Barstow at Daggett it has dwindled to a trickle that can be stepped across. There were no polywogs in the pools and little plant life - probably alkali. Dips and whips were seen here, but were not collected; collected callys and a P. platyrhinose, the latter in sand. Here it was still cool and breezy.

Stopped for quite a while at Hector (740.5). It had now become somewhat warmer and less breezy; about 70° to 75° at a guess. There is a large outcrop of black lava partly smothered in sand. Found a small tortoise shell nearly whole. Callies were seen but not collected. Utas are on the rocks; whips usually on the level spots where there are bushes and small broken rocks scattered on the sand. Got a chuck (as did Phil's likewise); he was
(Continued on March 12)

SUNDAY, APRIL 24, 1932

115th
Day

251 Days
to come

Started from Needles at 9³⁰ after getting gas, oil, and supplies. Got some formalin to play safe. This took over $\frac{1}{2}$ hr. It was a clear warm day with a mild breeze.

Had expected some DOR snakes on the highway but had no luck.

Cally crossing the road at Ibis. Searchlight road branches north from highway at 400.0.

Cally 1.6 mi. N. of this point; call it Arrowhead Junction (between Ibis and Bannock)

One very large tortoise at the roadside 2.6 miles north of the junction. Sandy, rocky soil; scattered brush. Same locality as above.

Cross the Nevada state line at 413.5.

We stopped and hunted for a while 1 mi. N. of the state line. This is an alluvial fan with brush, yucca, and cactus (Common yucca, not tree yucca). All kinds of lizards seen were collected. Warm but cooling breeze. *Xantusia vigilis* and skellies are under dead yucca bark and are very hard to get.

Whips and utas 3 mi. N. of state line;
(Continued on March 6th)

MONDAY, APRIL 25, 1932

116th
Day

St. Mark

250 Days
to come

This morning was cool, windy and partly overcast. Our party started for the dam at 7²⁰. Northmore went in our car.

1 Rhinoceros L DOR entrance to Boulder City. Rocky brush. This snake had wide black bands 4 times as wide as the narrow white or cream bands. The latter were slightly suffused with orange. The black was solid on top, but on the sides there was a triangle of light centered scales, the base of the triangle being below. This was 1.2 mi. W. of the center of Boulder City.

As the other machine was not yet arrived we drove down the Vegas Wash to the river on the new paved road. Was now cold, windy and overcast. Saw 1 Cally DOR halfway down and 1 Leopard DOR near Boulder City.

Back at Boulder City at 8⁴⁵; met the party at the home of H. O. Watts of the S.S.P.Co.

We now visited the dam and appurtenances: first the substation, then Lookout Point; then down the winding paved road to the tunnel entrances, including those on the Arizona side via the bridge, then
(Continued to Feb 12)

TUESDAY, APRIL 26, 1932

117th
Day

Southern Memorial Day (Ala., Fla., Ga., Miss.)

249 Days
to come

Day opened cold, cloudy and windy. Let Philip sleep as there would evidently be no hunting today. Such rotten luck to be over in this country, so rarely reached and then have no hunting. Today starts even worse than yesterday.

P. platyrhinos DOR at 3.7 mi. out of Las Vegas.

First stop 5.4 miles north of Jean. Here are common yuccas and a few tree yuccas. Got 12 *Xantusia viridis*, 1 *S. magister* and saw but did not catch *utah*. It was very cold and windy. The lizards were more or less dormant. Some of the rotting yuccas seem to create warmth. Found the *Xantusias* mostly under yucca branches without leaves and near live yuccas, but not always. All of these were under common yuccas. This point is 1.9 mi. N. of the railway crossing.

Raining hard at Jean.

Medium gopher DOR at State Line Wells. Rocky desert, light brush. State Line Wells is $.6\frac{1}{2}$ mi. E. of the actual state line.

Hunted again in the yuccas 1.2 mi NE of Lakeview Junction. Still very
(Continued Feb. 19th)

WEDNESDAY, APRIL 27, 1932

118th
Day

Ulysses S. Grant—Born 1822

248 Days
to come

Out to Whitney's tonight

Bogert writes under date of April 21st that the atrox locality previously recorded as Myoma should be 7 mi. N.W. of Indian Wells, 2 mi. E. of main Palm Springs road.

Side under San Geronimo Pass on road north of Snow Creek Hatchery.
Phyllorhynchus; road ^{10 mi} south of Palm Springs.

THURSDAY, APRIL 28, 1932

119th
Day

247 Days
to come

Miscellaneous shipping and filing
tonight

R. M. Perkins writes under date
of April 28th that he collected
Atrox

10 mi. W. and a little north of Ferndale,
Saline Co., Ark. 10 specimens were
collected.

Also he is sending one said to have
been caught north of Nashville, Tenn.

He is sure they occur in southeastern
Missouri.

Said to occur in most of the mountainous
region northwest of Little Rock.

FRIDAY, APRIL 29, 1932

120th
Day

246 Days
to come

Recd today from P.M. Myers a
medium gopher from Bostonia.

(May 1st Continued)

1 *Phyllorhynchus* med DOR 8 mi. W.
of the junction. This is probably
Imperial County.

We next hunted in the sand hills
2 mi. N. of the junction. Here we
collected Dips, leopards, cullys and
whys. *Umas* were seen but not
secured. They were few and wild.

1 *Pidewinder* M.DOR. 8 mi. W. of
Westmorland; desert.

1 long nose L.DOR. Mountain Spring.
Rocks, light brush, cactus. Wide black
blotches only slightly spotted with
white on the sides. White blotches 1 as
wide as the dark, moderately suffused
with red.

1 Red racer DOR Boulder Park Brush.
Reached home at 7³⁰. Miles for the trip
267.6; for the day 215.2; in the County
80.5; last 10 not to be counted because
of darkness.

1 Had trouble with lights on the
car.
add 26 for morning part

SATURDAY, APRIL 30, 1932

121st
Day

St. Catherine of Sienna

245 Days
to come

Cook told me of collecting the following at Padre Barro
1 Red Rattle, 1 Spotted Night, Orcuttia, Skellies, whiptails, slinks, Xantusias.

This afternoon started for Cuyamaca with Fowler at 2. Arrived about 5. A clear cool day; cold but without wind in the mountains. One horned toad DOR at Flinn Springs.

Hunted for a few moments at the old square reservoir at the bottom of old Vieja's Grade and also in the rocks at the top. Got 2 Xantusias. Saw Skellies, utas, Orcuttia. Hylas croaking at night at Cuyamaca. Miles for the day 52.4.

SUNDAY, MAY 1, 1932

122nd
Day

Rogation Sunday (St. Philip and St. James)

244 Days
to come

Started for the desert from Cuyamaca this morning at 9³⁰ with Fowler, Phythian and Sjoblom. Went via Julian and the Narrows. Weiss and De Waard in their car. Cold in the mountains; warm (almost hot) on the desert. Returned by El Centro and the highway. Windy in the afternoon.

Very few lizards were seen in the Sentencia Canyon or San Felipe Wash. However we did not stop to hunt here.

The first stop was at a sand dune 17 mi. W. of the highway intersection. This dune is on the east slope of a mountain and is large with good sand. Looks ideal for *Uma*. We hunted hard for them but got none. I saw one lizard that might have been a *Uma* - can't be sure. Will have to try this early in the morning some time. It was warm with some breeze and the time about 12³⁰. Saw many snake tracks by the rock borders. Got collies, whips and dips.

One red racer medium 14 mi W of the intersection. Bright brush; desert
(Continued to April 29th)

MONDAY, MAY 2, 1932

123rd
Day

243 Days
to come

Recd today from Cawell a
gopher snake medium form
Santa Fe Ranch.

TUESDAY, MAY 3, 1932

124th
Day

242 Days
to come

Bancroft called tonight to talk
over his coming trips.

(May 8th Continued)

1 Leopard lizard (highly colored female)

DOR at Whitewater junction.

Hunted for *Xantusia vigilis* in
common yuccas at a point about
1/2 mi. E. of Cabazon. Got 3 and
saw several others. They are very
spry and hard to get. Also whips
and utas were seen.

1 Small red racer DOR 1/2 mi N of
Winchester, Riverside Co. (we returned
thru San Jacinto and Hemet.) Grass.

1 Small Boa DOR Red mt grade Brush.

1 Bayles King L DOR Buena grass

1 Red Racer L DOR Buena grass.

1 Garter M DOR Chesterton.

Returned home at 6 P.M.; miles for the day
171.4; miles in San Diego Co. 65.6.

This also was a disappointing day
because of lack of dead specimens
on the road if nothing else. I had
hoped to get many new locality
records at this, the peak of
the season.

WEDNESDAY, MAY 4, 1932

125th
Day

241 Days
to come

Recd today from Van Hyning:
a large L.g. getulus that vibrated
its tail so slowly that it was almost
a wag; the separate strokes could
be easily counted.

Worked tonight on the Hoover Dam
paper.

THURSDAY, MAY 5, 1932

126th
Day

Ascension

240 Days
to come

Noted an atrox from Wickenburg today at the zoo that disgorged a young rabbit.

(May 7th Continued from May 6th)
irrigated field. The males were sitting in shallow water and the forward extending vocal sac was watched at close range. The vibrations could be clearly seen. The noise was almost deafening when one was close to a single toad. They were also heard at other points between Coachella and Indio, including the former.

Turned in at an auto court at 10³⁰; miles for the day 2546; in San Diego Co. —

A disappointing evening, evidently because of the cold weather, n.w. of Indio to Whitewater and return.

FRIDAY, MAY 6, 1932

127th
Day

239 Days
to come

(May 7th Continued)

Evenings, all other legids seem scarce. Junction is 10.6.7 mi. from S.D. = 25.6 mi from the narrows. Don't know just where the S.D. Co line is yet as the road is not marked.

Callie's noted at 11.8, 8.7, and 4.3 mi. W. of Junction.

Ran down the road toward Westmoreland 3.7 miles. Nothing seen. Cool and Breezy. Then went northwest toward the Coachella Valley.

1 Arizona L DOR 0.2 mi. South of Riverside Co. line. Paired specimen.

1 Red Rees 8.2 mi. S. of Indio. L DOR Paired specimen. Call this Coachella.

We went past Indio on the main road through Edom.

1 Arizona L DOR at the RR Xing. Call this Indio. Beyond this, nothing was seen. It was increasingly cold and had evidently rained in the afternoon. Returned by way of Palm Springs and Indian Wells; it had rained here.

Just north of Indio, B. cognatus was very noisy with its harsh chattering cry. This was in an
(Continued, May 5th)

SATURDAY, MAY 7, 1932

128th
Day

Lusitania Sunk 1915

238 Days
to come

Started for Coachella Valley at 1³⁵ P.M. with Phil and Jack Ward. A cool rather overcast day. Rain from Ballena to Julian; cloudy to the Narrows. Had evidently rained in parts of the desert, especially n.e. of San Jacinto.

- 1 Cal. King. DOR L grass El Cajon
- 1 Gopher DOR S Brush-creek Lakeside
- 1 Red Racer DOR L do Foster

From the Narrows (81.1) to the Junction is 25.6 mi. by my speedometer. This makes the new pavement which begins 1 mi. beyond the narrows, 24.6.

- 1 Arizona DOR L 2.8 mi. beyond the Narrows
Cactus - sandy desert

- 1 Red Racer DOR M 5.4 mi. ²est of the Narrows
Cactus - sandy desert.

Turn off to the sand-dune at 8.2 mi.

beyond the Narrows. 2 Leopard lizards on the road at this point DOR; saved one; the other a very bright female with much vermilion.

Worked in the sand-dune from 4³⁰ to 5³⁰. Saw one small lizard that may have been a *Uma*, but could not be sure. Collected only Uta stans and Cally. *Utas* are moderately common at this time of the
(Continued May 6)

SUNDAY, MAY 8, 1932

129th
Day

Mothers Day

237 Days
to come

This morning we started from Indio at 8³⁵; a clear and moderately warm day.

1 Sonora L DOR at 4.8. Sandy desert. no red. Call this Indian Wells.

We hunted in the sand hills at 6.7 until 9⁵⁰. Got a calley and a whip. Saw magister and uta, and maybe uma but couldn't be sure of the latter. Call this Indian Wells.

1 Leopard lizard DOR at 12.2. Call this Indian Wells. Saved specimen.

1 Red Racer L DOR at 12.6. Sandy desert. Call this Indian Wells. Saved head only.

We next hunted at Whitewater, that is the sand slide near Palm Springs Railroad Station. We first hunted at the smaller dune S.E. of the cliff; then in the mesquite hummocks opposite the large dune. Stayed here quite a long time. Got umas, callies, whips and a uta graciosa. It was hard work. The umas are very wild, hard to shoot. Other lizards seemed scarce. Met the Pembertons here, they hunted with us for a short time.

We then went on through the pass
(Continued May 3^d)

MONDAY, MAY 9, 1932

130th
Day

236 Days
to come

Recd last night from Fowler
a spotted night snake collected
at his Wynola Ranch under a rock.

Milked rattlers this noon.
Got a good supply of venom;
took individual quantities and
correlated with lengths and
weights.

TUESDAY, MAY 10, 1932

131st
Day

Confederate Memorial Day (N. C., S. C., Tenn.)

235 Days
to come

Worked on catalog entries tonight

WEDNESDAY, MAY 11, 1932

132nd
Day

234 Days
to come

Recd today from Joe Brook 2 medium
Pacific Rattlers from Pine Valley;
and from J. Creelman a medium
gopher, locality later. (National City)

(May 15th Continued from May 15th)

1 L. g. yumensis L DOR 5 mi W. of Yuma.
Irrigated fields. Badly smashed but saved
head.

1 S. g. hexalepis M. 10 mi. W. of Yuma.
Light colored. Sandy desert.

1 P. c. deserticola L DOR Date City

1 S. g. hexalepis M do

Fields on one side; desert other.

1 P. c. deserticola L DOR El Centro Fields

1 do S do

1 do S do

1 do S do 4 mi W of do

→ P. c. arnectens L at Boulevard.

1 DOR; the other alive but seemed dazed.
Saved this one. Fields.

1 P. c. arnectens S La Bata. Grass-creek.
was evidently just been run over. Saved this one.

1 P. c. arnectens L DOR Rescanso. Trees & Rocks.

Miles today 271. In San Diego Co. 79.

Total for the trip 451. Reached home at 6:00.

THURSDAY, MAY 12, 1932

133rd
Day

233 Days
to come

Reed today from Benedict a
horned toad from Bostonia.

(May 15th Continued)

collections from this vicinity are *Coleonyx*,
Azonia, *P. c. deserticola*, *S. magister*, *M. f.*
frankii; his rattles collection contained
nothing of note.

1 *M. f. frankii* S. DOR 1 mi W. of
Reptile Inn.

1 *A. elegans* occ. S DOR 2 mi. W. of Reptile
Inn. Sandy desert. Call this Pembroke.

Hunted for a while 5 mi. W. of Reptile Inn
and got a number of specimens. This
was at 113°. They are not so common as
earlier in the morning. Pembroke.

Caught a large reddish Chuckawalla
on the west slope of the Gila Mts. Rocks
as usual. We had previously hunted
at a quarry east of here in sand but
got nothing.

Dipsosaurus at Dublin.

Near Yuma to the north of the road
there are several good looking sand
hills that should be tried for Umas.

Reached Yuma at 12°. Now rather hot.

1 *T. macularius* DOR L Fort Yuma Irr. fields
(Continued May 11)

FRIDAY, MAY 13, 1932

134th
Day

232 Days
to come

Made up tags etc tonight.

(May 14th Continued)

1 *R. lecontei* large DOR 5 mi. N.W of Calxico. Saved specimen.

1 *P. c. deserticola* caught alive on the road at 9³⁰ Cultivated fields. 2 mi NW of Calxico.

Phrynosoma m'calli 9 mi W. of Midway Well

Dipsosaurus DOR do

P. m'calli DOR 6 mi do

C. wislizeni DOR 4 mi do.

5 *Coleonyx* caught on the road (not together) at 10:30 3 mi W. of Midway Well.

1 small *C. cerastes* DOR 4 mi E of Midway Well. Desert.

1 *P. c. deserticola* M. DOR 5 mi E of Midway Well. Desert

1 *S. occipitalis* M DOR Gordon's Well.

This is a gas station about 2 mi. W of Gray's Well. Also a Dip. at this point.

1 *C. cerastes* L. Caught alive at Ogilby Junction.

1 *S. occipitalis* M DOR Pilot Knob. Desert

1 *L. g. yumensis* L DOR 5 mi. W of Yuma. Cultivated fields. Fine specimen.

Reached Fort Yuma at midnight. Miles 180. Miles in S.D. Co during daylight 64. Ideal weather and a fairly good collecting experience, especially last specimen.

SATURDAY, MAY 14, 1932

135th
Day

231 Days
to come

This afternoon at 5¹⁵ started for the desert with Phil. + Jack Ward. It was clear and cool. A slight breeze, freshening to the desert where in the early evening, especially on the Mt. Sprungs grade, it blew quite strongly. We did no hunting, only traveling, today.

1 *Rhinocheilus* L Bostonia grass.

Had evidently been run over by next preceding car. Seemed not seriously hurt, so was saved, and two days later was still OK. Picked up at 5:45.

1 L. *californiae* L DOR Bostonia orchards

1 P. c. *annectens* M DOR Pine Valley ^{Rocke} Creek

Hylas were heard at Jacumba.

1 L. *sidewinder* on the road just beyond Myers's Creek Bridge. lost him.

1 Snake (probably *Senora*) on the road short distance beyond the railroad underpass. lost him.

1 *A. occipitalis* squirming on the road at Plaster City. L; desert. Died next morning.

1 P. c. *deserticola* S DOR Dixeland. Sandy desert

1 T. *marcianus* L DOR Seeley Sandy d. Cult. near

Bufo *woodhousei* DOR 6 mi. NW of Calexico

(Continued on May 13th)

SUNDAY, MAY 15, 1932

136th
Day

Whitsunday (Pentecost)

230 Days
to come

This morning we started eastward from Yuma at 7:

1 C. C. mitchellii DOR M. Gila Mts. Bare Rocks. A gray specimen, badly smashed.

We hunted until 9 45 mi. S of Yuma at the RR ^{over} underpass. Call this Liguria. This is a sandy, rocky flat. Callys, dips, and whips were very common.

Whiptails, dips and callys were noted continuously on the road, both east and west bound. Dips especially were observed at intervals of 2 or three miles. Wellton, Tacna, Colfred, and Pembroke.

1 Red Racer, DOR M. Colfred. Desert, light brush.

at the Reptile Inn west of Mohawk I talked with Rudolph Hall the proprietor. Herron is now in Long Beach.

He had a Boyles King taken on the Gila River nearby. It seemed a typical Boyles. The white bands were narrow but clear. There was an Oreanus said to have been taken in the Mohawk Mts. but this would require confirmation. Hall says cone snakes are found in this vicinity and promised to send me one.

Amongst the species seen in his
(Continued on May 17)

MONDAY, MAY 16, 1932

137th
Day

229 Days
to come

On Saturday rec'd from P. M. Myers
a large *L. californicus* and *C. c. mitchellii*
both from El Monte.

Later this afternoon milked the
larger specimens of Perkins last
shipment. Got the following data.

| Size | 1 | 2 | 3 | 4 |
|--------------------|---------|---------|---------|------|
| Tuber No | 13 | 14 | 15 | 16 |
| Milton lot | 15 | 26 | 18 | 6 |
| Corresponding cc | 1.9 | 5.0 | 4.9 | 1.4 |
| Keensburg lot | 28 | 19 | 27 | 4 |
| Corresponding cc | 3.9 | 3.5 | 6.2 | 0.9 |
| Keensburg Specials | | | 3 | 7 |
| Corresponding cc | | | 0.9 | 2.9 |
| Grand Total | 43 | 45 | 48 | 17 |
| Corresponding cc | 5.4 | 8.5 | 12.0 | 5.2 |
| Range mm. | 450-650 | 650-750 | 750-850 | 850+ |

Of the first two lots each was probably
counted short by 1 spec. i.e. Milton
lot had 66 instead of 65; and Keensburg
79 instead of 78. This will be corrected
when weights are checked on preserved
specimens.

TUESDAY, MAY 17, 1932

138th
Day

228 Days
to come

Milked 50 juvenile *Confluents* from Perkins this noon. There may have been 51; the box was partly open and at least 2 got out.

The statistical data were as follows:

10 rattlers with 2 rattles 14.15 gr. each
(average)

40 rattlers with 1 rattle 9.97 gr. each.

Total venom 0.1 cc.

Very difficult to get venom because of the small size. Used lace over the tube.

Later this evening the odd lost specimen turned up on the work bench.

Spent the evening on the first revision of the combined (2 trip) Hoover Dam Paper.

WEDNESDAY, MAY 18, 1932

139th
Day

227 Days
to come

Went on an inspection trip to El Capitan Dam. A clear warm day. 50 miles. 1 *M. lateralis* med DOR Chollas Hills Brush.

(May 30th Continued)

1 *L. g. yumaensis* L DOR 5 mi. W. of Yuma. Bared head. Usual markings. The river is very high and the back water makes the road a dyke.

Stopped at the Sand Hills Maintenance Station to catch a few *Umas*. Phil dug out a sidewinder. Contained remains of *Uma*. 1 *Urosa occipitalis* DOR 14 mi. E of Holtville. Desert. Much red on this specimen. A dip was also noted here. Desert.

Hunted at Myers Creek Bridge for a short time and got 1 *Phyllodactylus*. 1 *C. mitchellii* med. DOR about 1 mi. above Myers Creek. Rock haven. Rocks.

1 Red racer M DOR *Tamias* fields.

1 Garter M DOR Descanso; brush - creek

1 Gopher M DOR Lakeview (Johnstown)

Orchard - grass.

Reached home at 7³⁰. Miles for the day 292; in San Diego Co 81; total miles for the trip 871.

THURSDAY, MAY 19, 1932

140th
Day

226 Days
to come

Went on an inspection trip to Tri
Juana Sub. 28 miles. Clear cool
day.

1 Garter L DOR Otay Grass

1 Cal King L DOR Cemetery Grass.

(May 22nd Continued from May 20th)

1 Honey nose L DOR. Calayan Lt. brush

1 " " " " "

(saved head of first specimen)

1 Boyles King L DOR Moreno grade Brush

1 Horned Toad DOR Gilman Springs.

1 Gopher M DOR Poway Lt. brush.

Reached home at 7⁵⁰ P.M.

Miles for today 194. Miles in
San Diego Co. in daylight 50.

FRIDAY, MAY 20, 1932

141st
Day

Signing of Mecklenburgh
Declaration of Independence (N. C.)

225 Days
to come

Recd today from Le Roy a
large ringneck. from San Diego

(May 22nd Continued)

Next hunted in large and thick tree
yuccas in Yucca Valley = Warren's Well
1/2 mi. E. of where road branches to Victorville.

Got 5 *X. vigilis*; they were mostly under
~~can~~ stems, sheathed with leaves. Also
saw but did not collect utas, whips,
and magister. This was at 140°; cool and pleasant.

Hunted next at east end of Morongo Valley.
Here *X. vigilis* were taken under regular
yuccas.

At 3 P.M. we stopped at the south end
of Morongo Valley where there were many
scattered boulders. Utas were very common
and a number were collected. Whips and
leopards were seen. It was now cool
and windy. A little further 2 magisters
were seen on rocks.

1 Patchnose M DOR 9 mi N. of
Whitewater Inlet. This is called Devil's
Playground. Creek and rocky hill.

Calys were collected 7 mi. N. of the
Junction and a large magister 6 mi. N
of the Junction. Utas were also seen here.

(Continued on May 19th)

SATURDAY, MAY 21, 1932

142nd
Day

Lindberg landed in Paris 1927

224 Days
to come

Today at 2 P.M. started for Twenty-nine Palms with Philip. A clear warm day.

1 Horned Toad DOR Escondido

1 Boyles King L DOR Vista Grass-fields

1 Red Racer L DOR Fields-brush. Buzzard eating this.

1 Gopher S DOR Beaumont Fields

1 Gopher M DOR Banning Mt. brush-Grass (Raved specimen).

1 Scute L DOR Warren's Well (Yucca Valley)

Arrived at 29 Palms at 7¹⁵. Cool and windy. 180 miles

Went up the Amboy road from 8 to 9³⁰. Cool and windy. Nothing seen. It was not too cold for sidewinders. The road is badly corduroyed; it would be difficult to see anything on a road like this; little snakes if present would quite likely have been missed.

at about 4 AM heard toads trilling in the marsh. Think they were *B. californicus* but can't be sure. Didn't know there was a marsh or we would have hunted toads the night before.

Miles to 29 Palms 184, to inside SD. County 65. Total miles for the day 202.

SUNDAY, MAY 22, 1932

143rd
Day

Trinity Sunday (St. Rita)

223 Days
to come

Sunday morning at 29 Palms. Cool and windy.

First looked around the marsh but found nothing. There was a large kott in the rear tire. Changed tires.

Left the hotel at 8⁵⁰ and looked for Bob Hunter's place. Finally located him. He had in his collection mitchres, sidewinders, red racers, phyllorhynchus, sonora occipitalis, arizonia chucks, gophers, tortoises, salivadora. All these caught in the vicinity of 29 Palms. Bought from him 2 mitches, 1 salivadora, 1 phyllor, 1 sonora for \$5⁰⁰; later on the road he gave me a platyrhinos from the same locality. Talked collecting with Hunter for awhile; then hunted in a sand dune between his place and the Post Office. Collected all kinds of lizards that were seen except Umas of which at least 3 were seen but none secured. They are exceedingly wary. Then started back.

1 Leopard lizard DOR 29 Palms
1 do DOR Warren's Well.

Hunted a short time in regular yuccas at west end of 29 Palms Valley and got a *X. vigilis*
(Continued on May 20th)

MONDAY, MAY 23, 1932

144th
Day

222 Days
to come

Recd Saturday 2 *Oreganus* from
Tony Green taken at Laguna
Hansen B.C. Evidently too far
gone to preserve.

Milked rattlers this noon.

Recd from Carrell a Cal. King
from Caliente Golf Course

Recd from Elder a *Bombus episcopa*
from El Centro. He said it accepted
a measuring worm readily when
offered and ate it quickly.

Started for Los Angeles to attend
a meeting of the Interchange Committee
at 3⁵⁰; arrived at 7¹⁰. A hot day.
54 miles in the County; 120 miles total.

1 Small snake DOR Rose Canyon
didn't stop.

1 Gopher L DOR Stuart Grass-fields
1 Red Racer L " " "
1 Gopher M " San Onofre "

TUESDAY, MAY 24, 1932

145th
Day

Corpus Christi

221 Days
to come

In the afternoon went out to see H.R. Hill at L A Museum from 2^{30} to 3^{30} . Talked various matters and got a few locality records from cards.

Noted particularly a mitchellii skin from Hemet and an atrox from Pyramid Peak, N.M. These may not be in the card file.

The rattlesnake from H.P. George is said to be from ~~National Park Inn~~ ^{Forest} on the Ridge Route.

Returned from Los Angeles late today. Started at 4⁰⁶ arrived at 7⁰⁰. A hot day. Total miles 120. Miles in country in daylight 40.

Red races (probably, but can't count) DOR at Normal, horned toad crossing the road at Buena Park. Nothing else.

WEDNESDAY, MAY 25, 1932

146th
Day

220 Days
to come

Pickled snakes tonight to permit
Cook to catch up.

Locality Records

Crotalus c. oreganus
Laguna Hansen, B.C.

L.g. boylii
Agua Caliente, B.C.
(near Tia Juana)

Outfitted Bancrofts for their trip. 2
single-shot rifles, 500 shells, 15 gal
can formalin, 11- $\frac{1}{2}$ gal. jars of formalin
scissors, tongs, cleaning rods etc.

THURSDAY, MAY 26, 1932

147th
Day

219 Days
to come

(May 29th Continued)

They don't seem to be any more common than last summer. *Holbrookia* is not nearly so plentiful as then. Only 1 X.a. was attached to the rock which fell and this was an underslung flake.

Of the X.a. LMK 8, Cook 6, PMK 1, Gartz 1.

1 Gopher S. DOR Yarnell Brush-fields.

We also caught & live C. collaris here.

At Kirkland Trct. we left the highway and turned west to Kirkland in order to see the character of the Santa Fe country. We went north to Skull Valley, then returned along the road which approximately follows the railroad to the junction with the main highway at Congress.

Skull Valley is a large irrigated Valley. The railroad runs along one side where there is mesquite and other brush. There are some rock outcrops, but not many. Doesn't look like particularly good snake country. The brush is light.

Between Skull Valley and Kirkland the country is rather rough and rolling with some rock.

(Continued on Feb 4th.)

FRIDAY, MAY 27, 1932

148th
Day

218 Days
to come

Today received from Bill Fay a medium gopher snake from Pacific Beach. This snake squeezed wrist hard enough to hurt and shut off blood. Pulsating use of muscle with deliberate intention to squeeze.

(May 28th - Continued)

Bufo cognatus was heard between Blythe and the River.

1 Coleonyx caught on the road 15 mi E. of Blythe. This was in the Dome Rock Mts.

1 Patch nose med DOR 34 mi. E of Blythe. This was near Quartzite.

Paired specimen (in Plomosa Mts.)

Reached Wickenburg at 11⁰⁵ P.M. (Pacific Time) Cool and comfortable. Miles for the day 343.5.

A considerable part of the Blythe - Wickenburg road is still under construction, but, through the chance of meeting a machine coming through (at Quartzsite) we were able to take the Quartzsite - Salome cut-off although marked "closed."

Went through a very hard wind storm north of Kane Sp.

SATURDAY, MAY 28, 1932

149th
Day

St. Augustine

217 Days
to come

This afternoon at 1³⁰ started for Arizona with Phil, Cook, and Garty. A clear moderately warm day. Went out by Broadway Extension.

- 1 Gopher L DOR Chollas Hts. Brush
- 1 M. lateralis L DOR Chollas Hts Lt. Brush
- 1 Boyles King L DOR Riverview Lt. Brush.
- 1 Gopher J. DOR Santa Yacabel grass.
- 1 Boa L DOR San Felipe Valley Brushed.
(saved specimen)

Dipsosaurus 11 mi. E. of Harrows

- 1 Sidewinder L DOR 14 mi. E. of Harrows Desert
- 1 Red Racer S DOR 5 mi. W. of Kane Spr. Inct.
Desert.

- 1 Red Racer L DOR 5 mi. N of Kane Spr. Inct.
Desert. Sea View Station. (saved spec.)

- 1 Sonora L Caught on Road 17 mi. W. of Blythe. Desert

- 1 Sidewinder M COR 17 mi. W. of Blythe

- 1 Sonora L COR 16 mi. W. of Blythe.

- 1 Arizona M COR 16 mi. W. of Blythe Desert

The catching of these four snakes within so short a distance led us to expect great things for the evening but they failed to materialize. This was about 8 P.M.

Coleonyx observed abt. 7 mi. W. of Blythe
(Continued on May 27th)

SUNDAY, MAY 29, 1932

150th
Day

216 Days
to come

This morning we started north from Wickenburg at 7:55 (P.T.)

Between 8:30 and 9 we hunted at a point 6 mi. N. of Wickenburg. Here we got a number of lizards in brush, mesquite, yuccas, and some tree cactus. But on the whole hunting was not good; probably it was too cool. There were many good dead yuccas lying on the ground but they proved barren. S. magister was the only lizard seen and not collected.

1 Gopher DOR Congress Jct. Mesquite

1 Hypsiglena L DOR at Desert View Pt.

(This is almost at the top of the Congress Jct - Yarnell Grade.)

We hunted for Xantusia arizonae just north of the top of the grade (a half mile or so south of the type locality) from 10 AM to 1 P.M. We worked hard but got only 16 together with some other lizards, a small Hypsiglena and a bat. It was cool and breezy. Flakes (whether thick or thin) are by no means plentiful. The X.a. are under the thicker flakes, and mostly on the south sides. They are certainly not plentiful. Probably $\frac{1}{3}$ of all those seen are lost.

(Continued on May 30)

MONDAY, MAY 30, 1932

151st
Day

Memorial Day

215 Days
to come

Today we started west from Gila Bend at 7⁰⁵.

Whiptails were observed at Aztec and at Stoval; also 1 sidewinder DOR at east base of the Mohawk Mts. Rocky desert.

We stopped and hunted for a while in the Mohawk Mts at 9 A.M. It was warm but not hot. We got whiptails which here are plentiful on rocky ground; also observed Uta stans.

Stopped for a few moments at Reptile Inn. Nothing new.

1 P. platyphimus DOR Pembroke.

We hunted for a while in the Gila River bed just north of Siquita (off the highway). Dips were common here in the brush and several other species were collected.

In the Gila Mts chucks were quite common and 5 were collected.

Dips were observed at Dublin.

We hunted in the sand hill - rocky hill 5 mi. E. of Yuma and got a colly but no Umas were seen.

1 Red Racer L DOR Fort Yuma Irrigated fields

(Continued May 18th)

TUESDAY, MAY 31, 1932

152nd
Day

214 Days
to come

Recd today from Huey for the
Museum 2 large gophers from Alpine
Recd from Myers a large gopher
snake from Santa Fe Ranch.

WEDNESDAY, JUNE 1, 1932

153rd
Day

213 Days
to come

Misc. work on specimens

THURSDAY, JUNE 2, 1932

154th
Day

212 Days
to come

Dinner tonight

FRIDAY, JUNE 3, 1932

155th
Day

Jefferson Davis—Born 1808

211 Days
to come

Milked 49 rattlesnakes tonight
this noon. Miscellaneous work
on specimens tonight to 10⁴⁵

Today went to Pt Loma and
La Jolla, meeting at Scripps Inst.
A cool drizzly day. Nothing seen.

SATURDAY, JUNE 4, 1932

156th
Day

210 Days
to come

Milked Rottlers this afternoon;
also miscellaneous filing.

In the evening put away
Confluentus specimens until
late.

SUNDAY, JUNE 5, 1932

157th
Day

St. Boniface

209 Days
to come

This morning tried out the rattle vibration machine using a pencil attached to the rattle via a needle. While a few good curves were secured, there is too much interference and the adjustment is too difficult so it cannot be determined whether the same speed is obtained as would be natural. A relay scheme will have to be employed.

In the afternoon brought up to date the field record - field trip book.

Talked with Cook about the coming trip to Tangua Verde Mts.

Cook worked this evening until after 7 to clean up influx of rattles. Everything now pickled except a chuck and a gopher.

Worked late tonight making the entries in the annual list series and finished same to June 1st.

MONDAY, JUNE 6, 1932

158th
Day

208 Days
to come

Went to Oceanside this morning
to inspect gas line with Perkins. a
clear cool day 75 miles. 1 young
gopher D.O.R. Rose Canyon grass.

Reed a large gopher snake from
Abbott from SD

TUESDAY, JUNE 7, 1932

159th
Day

207 Days
to come

Today Abbott told me of a
gopher snake found by Tom Weddle
with a young quail (old enough to
fly) in its mouth. The quail was
released and the snake put down a
gopher hole

Today checked Zoo book to date
and got the following localities
outside of San Diego County

S. occipitalis

3 mi. E. of Mt. Spring.

Calxico

C. ruber

Tijuana, Mex

C. cerastes

Holtville

Kane Spr.

Calxico

E. skiltonianus

Riverside

WEDNESDAY, JUNE 8, 1932

160th
Day

206 Days
to come

Went out to El Capitan Dam
to see progress of the work; also
line reconstruction in the vicinity.
With Peckham, Fowler, Holloway, Rosenau.
74 miles 1' h of bogey DOR grass.

Lakeside

Cook called tonight to complete
his outfit for the Tangua Verde Trip.

THURSDAY, JUNE 9, 1932

161st
Day

205 Days
to come

Preserved snakes tonight and
made labels.

FRIDAY, JUNE 10, 1932

162nd
Day

204 Days
to come

Packing for the Yosemite trip
tonight

Schlange brought in tonight
an Arizona L DOR from Ramona.
Pawed head

SATURDAY, JUNE 11, 1932

163rd
Day

St. Barnabas

203 Days
to come

Today started on a vacation trip to San Francisco, Yosemite, and Sequoia Natl Park with Jgg.

The mileages in these notes are uncorrected; probably should be about 5% higher.

Left San Diego at 2:15; a clear warm day.

1 A.e. occidentalis L DOR Encinitas;
fields.

1 P.c. annectens L DOR Las Flores;
fields

1 L. californiae L DOR Las Flores;
fields

1 P.c. annectens M DOR Capistrano;
fields.

1 P.c. annectens M DOR Irvine; bean
fields

It was dark at Castaic. The car was working badly. Hyla regilla was noted at Gorman's and Heber. Arrived at Heber. at 9:15. Miles for the day 202; in San Diego Co 54. Looked around the lawn for toads, but found nothing.

SUNDAY, JUNE 12, 1932

164th
Day

202 Days
to come

This morning we started from Lebec at 7³⁰; a clear warm morning.

Fort Tejon is distinctly *Hyper-Sonoran*. There are high rolling hills covered with heavy brush; very large oaks in the canyons. There is a species of small, thin-stemmed yucca on the hillsides, rather thick in some patches. These do not look favorable for *X. vigilis* but are not of course, impossible. There are some scattered rocks and rock outcrops (not granite).

We stopped and hunted for about $\frac{1}{2}$ hr. (until 8³⁰) on the Grapevine Creek about 1 mi. N. of Fort Tejon. (nearer the Fort than Camp Tejon). Skellies are very common here, both on rocks and trees. Utas are fairly plentiful on rocks. Whips are to be seen in the brush. Turned over such yuccas as there were, but found nothing; when dried they amount to little, hardly a suitable protection. There is much granite, but it is hard and jagged and without flakes. Amphibians would be expected along the creek.

At the lower end of the San Joaquin it was comfortably warm - not hot.

1 *A. c. occidentalis* DOR. 3 mi. W. of Maricopa Junction = Emidio Sta. fields. Sured
(Continued on Jan 10)

MONDAY, JUNE 13, 1932

165th
Day

St. Anthony

201 Days
to come

Spent the day at MVZ from 11²⁰ to 5²⁰.
Saw Drs. Grinnell and Linsdale.

Went through the card file and made records of some of the principal species in which I am interested. Also examined a few specimens. The lists made will be filed by species. Some other observations and locality notes follow:

Hampropeltis getulus conjuncta

4 specimens from Todos Santos, Agua Caliente, Eureka and Comodon appear superficially like *yumensis*, especially the last. In the white bands the scales are all surrounded by dark.

Hampropeltis getulus yumensis

The two specimens from El Cajon Canyon (9630-1) are not *yumensis*; rather they are typical *boylii*. One has brown edges on some of the central white scales, but not to the extent of a true *yumensis* — no more so than many coastal *boylii*. But the two others from 7 mi. E. of Cerro Prieto (10761-2) are very good *yumensis*. There are others in the collection from Calif. and Arizona.

Hampropeltis mitida

Examined Nos. 11845-6 from Agua
(Continued on Jan 14th)

TUESDAY, JUNE 14, 1932

166th
Day

Flag Day

200 Days
to come

Spent the day from 9 to 5 at the California Academy. Made notes on localities and scale counts from the cards; examined *Salvadora* specimens to see if the San Diego form is consistently different from the desert; checked a few rattles but did not complete what had been laid out for the latter.

L. roseosus Cottonwood Spring, Riv. Co.

The other data are voluminous and will be filed in the books by species.

←
Miles for the day 230; for the trip 824. Hylas were heard at several points in the valley tonight.

WEDNESDAY, JUNE 15, 1932

167th
Day

199 Days
to come

Miles to San Francisco on the 13th
and 14th = 15. Had the car overhauled.

Started from San Francisco at 10⁴⁵;
a clear day; warm but not hot in
the Valley. Went out via the San Mateo
Bridge, Hayward, Tracy, Manteca,
Modesto, Merced, and the all year Highway

1 Gopher L DOR Altamont. Grass

1 Gopher M DOR Mossdale, Inct. Grass

1 Gopher L DOR Niles garden, Grass

1 Gopher L DOR Manteca, Grass

1 Gopher L DOR Atwater, Fields

1 Boyles King M DOR 10 mi. W. of Mariposa
(Mt. View House) Grass - Rocks.

Narrow white bands.

Hunted along a creek about 15 mi. W. of
Mariposa. Got one skelley; saw a small
Hylo. Here there were some really good
flakes; one had a lizard skin underneath;
also a bat. This was not granite. Further
along there is much granite, some flaked.

1 Gopher S. DOR 1.3 mi. W. of El Portal.

David specimen. Rocks - trees.

1 Alligator L DOR El Portal. Seemed
to be Webbii

Arrived at the Park (Camp Curry) at
about 7³⁰, having missed Harwell.

THURSDAY, JUNE 16, 1932

168th
Day

198 Days
to come

This morning I called on Mr. Harwell the Park Naturalist and visited the Museum. Of preserved rattlers there are 4 and one alive, all from the immediate vicinity of the Park. They seem somewhat like the San Joaquin Valley specimens.

Alive there were 1 rattler, 3 or 4 rubber snakes, 3 coral kings, skinks, alligator lizards of both kinds and Rana boylii. Also a ring neck much darker than our southern form.

One of the coral kings lacks red and was classified as boylii. At only two points is there a faint indication of light splitting the black. When placed with a regular coral king they mated at once. Another has comparatively little red but at least it is evident. The thyrid, with which the black one (a male) mated, had about the usual amount of red.

The afternoon was spent riding around and sight seeing. A good many rocks and logs were turned over. About 8 skellies were seen; they are quite wild. Usually they are on rocks; none was caught.

One skink was caught with some
(Continued Jan 17th)

FRIDAY, JUNE 17, 1932

169th
Day

Bunker Hill Day (Boston)

197 Days
to come

Spent the morning in the museum examining rattlers and talking to naturalists and rangers. Made scale counts on 2 rattlers.

Saw another with the following caption:
"Taken while devouring a fence lizard. Collected by A.F. Hall June 18, 1932, at the top of Bridalveil Falls." This is a small snake with 2 rattles (S.3, S.7). The lizard is swallowed down to the hind legs. It is a good sized skelly, or might be a *S.g. gracilis*, but probably not the latter as it is too large.

There is also a large one with the following caption: "Pacific Rattlesnake, Killed July 18, 1931, at an elevation of 6500 ft in Tenaya Canyon, Y.N.P., by A.W. Bell. The cony (*Ochotona schisticeps muiri*) was removed from the stomach of the snake. The snake measured 43" in length."

At 1 P.M. I talked to a small group of naturalists and rangers on snakes and rattlers in particular showing slides. A fire broke up the proceedings at 2.

Started from Curry's for Glacier Point.
(Continued on Jan. 18)

SATURDAY, JUNE 18, 1932

170th
Day

196 Days
to come

In the morning at Glacier Point we caught a few skellies with a noose. They were quite plentiful on the rocks and rather tame.

We started from Glacier Point at 10⁰⁵; a cool clear day. The first stop was at Sentinel Dome. Here a *S. graciosus* was noosed on a rock pile within one foot of a snow bank.

Stopped at _____ Creek, a deep creek 6.7 mi from Glacier Point between Mono Meadow and Bridalveil Creek and collected 4 adult *Rana boylei sierrae* and a small *T.O. elegans*. The *Ranas* were parked on the bank and took refuge in the grass on the bottom.

One small *T.O. couchii* DOR at Glenview. Trees. We hunted here but got nothing.

An alligator lizard, evidently weibii, was lost on the road at China Well.

1 Gopher L DOR Brush. Bisset's Ranch.

1 Gopher L Caught on the road at Bisset's Ranch. Brush. This snake was caught by following the track.
(Continued on Jan 20th)

SUNDAY, JUNE 19, 1932

171st
Day

195 Days
to come

Started from Visalia for Sequoia Natl Park at 9⁵⁴. Clear and warm.

1 Gopher S DOR Matchin. Vineyards. Black spots like annexens.

1 Gopher M DOR Terminis Beach. Fields. Spots dark, almost black, even.

Stopped to hunt near Horse Creek junction with Kaweah River. Here the granite is of quite good quality with many flakes and caps. As good as many areas in San Diego Co. But nothing was seen.

1 Gopher S. DOR Grass. 6 mi. E. of Three Rivers = Hammond. Brown spots.

Whiptails were noted on the road at the Checking Station, 2000 ft. alt, and 4500 ft alt. Skellies were observed at Amphitheatre Point (Elev 4450), at 4850, and at Morro Rock Elev 6719.

At the Museum (Bean was unfortunately absent) There was a large garter snake presumably elegans, with a full vertebral stripe said to have been taken in the immediate vicinity.

On the down trip a whiptail was noted at the Kaweah bridge
(Continued on Jan 5)

MONDAY, JUNE 20, 1932

172nd
Day

194 Days
to come

Started from Bakersfield for home at 9⁴⁵; a clear warm day.

First stopped to hunt on a brush covered flat near Bena hoping to get *C. silus* but had no luck. Did collect *utae* and *whips* here. The brush is light. *Szuids* are not particularly plentiful.

1 Spotted Night DOR M Limon.

Rocks. Saved Specimen

We hunted in the sandstone cliffs by the roadside near this point and got 2 skellies and a *uta*.

1 long nose DOR L Limon. Grass and light brush. Steep hillside.

This specimen was black and red like those from San Diego County. A *uta* was also taken here.

1 Snake was DOR a mile or so up the hill from here. Only the backbone was left. Couldn't tell what it was.

1 Gopher L DOR grass at 21.8 = Bealville.

1 *Oreganus* S DOR Steep grassy hillside Bealville. light brown with medium brown spots.

Skelly was noted opposite Rowen
(Continued on Jan 7th)

TUESDAY, JUNE 21, 1932

173rd
Day

St. Aloysius

193 Days
to come

This morning went to the Nat. Hist Soc. and talked over recent events with Abbott. Gardner wants a short article on venomous reptiles for the exhibit.

Went to the Zoo and checked over specimens with Perkins and Walker. Perkins arrived yesterday. Secured a good many live and preserved specimens which were brought home.

In the afternoon Bancroft's arrived having just returned from the islands. Secured from them a good many lizard specimens no snakes having been seen on the trip.

Spent the afternoon on miscellaneous clean up work. Tired out and hips bad.

~~+ Gopher L DOR grass at \$1.8 =~~
~~Bealville.~~

~~1 Oregon S DOR steep grassy hillside~~

WEDNESDAY, JUNE 22, 1932

174th
Day

First Day of Summer Longest Day of Year

192 Days
to come

Miscellaneous checking and filing
all day today. Conferences with
Mrs. Benchley and Perkins. Made some
gains in back work.

THURSDAY, JUNE 23, 1932

175th
Day

191 Days
to come

Spent the day pickling specimens, filing etc.

Noted a red racer today that would rotate its body laterally with great rapidity when held loosely in the hands.

FRIDAY, JUNE 24, 1932

176th
Day

St. John Baptist

190 Days
to come

Worked hard today on miscellaneous
filming and preserving. Milked
15 rattlers in the afternoon. Claytons
in the evening.

Today at the zoo we weighed a
very large San Diego gopher snake -
a female evidently full of eggs.
It weighed $4\frac{1}{2}$ lbs.

SATURDAY, JUNE 25, 1932

177th
Day

189 Days
to come

Worked all day and evening pickling
specimens, labeling jars and
recording.

SUNDAY, JUNE 26, 1932

178th
Day

188 Days
to come

Spent the entire day in the
collection; mostly labeling and
arranging.

MONDAY, JUNE 27, 1932

179th
Day

187 Days
to come

Recd today from H. Benedict
a tiny garter from Jamaica.

TUESDAY, JUNE 28, 1932

180th
Day

186 Days
to come

Today went to El Cajon Rotary Club. Out via University and Bostonia; back via Broadway. Warm in the back country. 37 miles. Nothing seen.

Talked today to Dr. Knox about the recent rattlesnake fatality. The patient reached him about 1 $\frac{3}{4}$ hrs after the accident. He was bitten on the hand while reaching down to overturn a board; the snake was under the board. He was bitten on the right hand near the basal knuckles. One fang punctured a vein. Both fang marks were visible. A tourniquet had been placed on the upper arm. He was driven in by other parties - not by himself as reported. They stopped at Alpine but were unable to get aid.

Dr. Knox gave 1 tube Melford's Antivenin intramuscularly and applied suction removing considerable blood. The tourniquet was then loosened. The patient was badly frightened but his heart was good.

There seems to have been considerable of a mix up at County Hospital resulting in delay. Also a mix up re doctors.

WEDNESDAY, JUNE 29, 1932

181st
Day

St. Peter

185 Days
to come

Today went on an inspection trip Del Mar, Santa Fe Ranch, Escudido, San Marcos, Olivenhain, Cardiff, Del Mar. 93 miles. A warm day especially in the back country. Nothing seen.

Harvill of Yosemite told me the teacher who was bitten (fatally) last year or the year before did not know she was bitten. No snake was seen or felt. The swelling told the story when she reached the camp

Locality records recd from Bogert:

| | |
|--------------------------------------|-------------------|
| <i>Sonora occipitalis</i> | Palmdale LAC |
| | Orogrande SBC |
| | Boulder City Nev. |
| (Cancellin <i>S. semiannullata</i>) | |
| <i>Coleonyx variegatus</i> | Lozjojo Springs |

THURSDAY, JUNE 30, 1932

182nd
Day

St. Paul

184 Days
to come

Recd today for examination,
9 rattlers from MVZ and gave
them a superficial examination
to night.
Listened to the Democratic Convention

FRIDAY, JULY 1, 1932

183rd
Day

183 Days
to come

Today went on an inspection trip to Oceanside Vista, Escondido. 9 1/2 miles. A clear warm day.
1 Rhynchoseluz L DOR Vista grass
1 M. lateralis L DOR Rosedale brush.

Spent the evening mapping the stephensi-lutosus problem to date.

(July 2 Cont)

1 Gopher L DOR 1 1/2 mi. S. of Westmorland Fields
1 Gopher S. DOR Brawley Cult fields
1 S. episcopa L DOR " " "
1 Arizona L DOR 5 mi. S. of Seely

This was at 7:45 late dusk. It was still squirming and had evidently just been hit. It was dead when we got home.

1 Arizona S. DOR 3 mi. E. of Plaster City. 8:05 Dark. It was dead but still soft. Had not been hit long before as it was where it would have been runed by the heavy traffic.

1 Gopher L DOR at Guatay. Creek Hylas were noted at La Pota, Buckmans and Guatay. Toads could not be heard. Too much traffic noise.

SATURDAY, JULY 2, 1932

184th
Day

Visitation B. V. M.

182 Days
to come

This afternoon at 1³⁰ went out to get Philip at Camp Fletcher Cuyamaca. Went by way of Broadway, Grossmont at the Old Viejas grade. From Cuyamaca we went to Julian then ~~not~~ through the Narrows to the Kane Springs Junction and then returned via El Centro and the Highway. Miles in the County in daylight 101; total miles 289. Reached home at 11¹⁰. It was comfortably warm in the back country and mountains and very hot on the desert even at 6 P.M. To reach the best collecting roads after dark we took a side run from El Centro to Calexico and returned via Peelay. We drove slowly in the best part of the road and probably missed nothing. Also we certainly missed no snakes "in the road" from Mt. Spring in. The lack of material indicates once more the waste of time involved in hunting at this time of year.

1 Cally Calis 4 mi. E of County line. Several others were seen between 5 and 6 P.M. along the highway.

(Continued on July 1)

SUNDAY, JULY 3, 1932

185th
Day

181 Days
to come

Phil had a nice large *L. multicauda* taken about 25 ft below the top of North Peak.

He saw a two button Pacific Rattlesnake that had been caught swimming in Cuyamaca Lake, far out from shore.

Today I went to National City and got the material collected by the Melungs this spring. Looks very good.

Mrs. Melung told me that 2 ring-necked had been seen in the vicinity of San Jose. The description was so perfect there could be no mistake.

MONDAY, JULY 4, 1932

186th
Day

Independence Day Calvin Coolidge—Born 1872

180 Days
to come

Spent the entire day tagging
and putting specimens away.
Completed the Meling and Bancroft
collections.

There remains now only the Perkins
collection — everything else is up to
date except rattles counts.

TUESDAY, JULY 5, 1932

187th
Day

179 Days
to come

WEDNESDAY, JULY 6, 1932

188th
Day

178 Days
to come

Heard from Bogert today
Crossing the desert he checked a *Phyllorhynchus* & alive. & in lava-covered stretch east of Newberry Springs; lost across the grade from Patman within a few miles from Kingman.
& live *sonoras* one at Victorville;
a dead one before Barstow.

THURSDAY, JULY 7, 1932

189th
Day

177 Days
to come

Furnished the Melungs with more shells, formalin and other material.

Tonight brought the hot Hist ledge down to date

FRIDAY, JULY 8, 1932

190th
Day

176 Days
to come

At the zoo today saw a yearling
Pacific Rattles sent in by Cannon that
had disgorged a very large c.t.
tessellatus. Surprising he could
have swallowed it at all.

SATURDAY, JULY 9, 1932

191st
Day

175 Days
to come

In working over Perkins material
and lists the following localities were
noted which were not represented by
preserved specimens:

Crotaphytus collaris

North Garcia, Valencia Co., N.M.
Meteor Crater, Coconino Co., Ariz.
Canyon Padre, "
Clopton, Yavapai Co., Ariz.
Oatman

Phrynosoma douglassii hernandesi

Meteor crater

Saurornis obesus

Oatman

Sacramento Mts, 16 mi. W. of Needles

Pinto Mts, 28 mi. W. of Needles

Callisaurus ventralis ventralis

Sacramento Mts, 51 mi. W. of Needles

Cnemidophorus tessellatus tessellatus

Same as above

SUNDAY, JULY 10, 1932

192nd
Day

174 Days
to come

Spent all day today and
until late tonight on the general
problem Growth of the Rattlesnake
and made some progress especially
in tabulating the Platteville material.

MONDAY, JULY 11, 1932

193rd
Day

173 Days
to come

Correlated weight - sex - season
statistics on Plattevilles.

TUESDAY, JULY 12, 1932

194th
Day

Orangemen's Day

172 Days
to come

Worked tonight calculating rattles
of Platterville series.

Went to El Cajon Rotary today,
30 miles; nothing seen.

WEDNESDAY, JULY 13, 1932

195th
Day

171 Days
to come

THURSDAY, JULY 14, 1932

196th
Day

170 Days
to come

Went to Oceanside on business today; a warm day; 78 miles. (Red Race, L DOR Carlsted. grass.

Schlenze came in tonight and brought a red race, small gopher, small Pacific rattler and medium banded race from Ramona. To be entered in the zoo list.

Philip Cook, Ward and Green went to Laguna today to hunt T.O. elegans. They got none.
Collected or saw:

H. regilla

S.g. Vandenburghianus

2 *T.O. hammondi*, red.

E. skiltonianus

1 Small gopher

1 Large gopher (Buckmans)

67. miles. nothing seen on the road

FRIDAY, JULY 15, 1932

197th
Day

Pioneer's Day (Idaho) St. Swithen

169 Days
to come

Heard today at the zoo of a X.
henshawii (which I saw) caught
in a house (near Barnett Dam)
General clerical work tonight

SATURDAY, JULY 16, 1932

198th
Day

Our Lady of Mt. Carmel

168 Days
to come

Spent most of the afternoon at the zoo. Mailed a miscellaneous lot of rattlers (9). Checked over all incoming specimens, secured a number of specimens for trades etc.

Finished selecting the specimens owing to Field Museum for trades. Miscellaneous filing and caring for specimens.

SUNDAY, JULY 17, 1932

199th
Day

167 Days
to come

Spent the morning packing specimens for shipment and preserving. In the afternoon compiled statistics for the growth paper.

In the evening studied the king snakes and wrote a brief note on the 2-color *Masticophis lateralis*. Cleared up many odds and ends today.

MONDAY, JULY 18, 1932

200th
Day

166 Days
to come

Cook completed his work today. As of this date all rattlers have been checked. Thus all are finished up to No. 9553; also the S.D.N.H. Soc. specs. are also complete.

As of this date all specimens have been pickled except a dozen or so just received.

No foreign specimens are at hand except 9 from MVZ which require checking.

Today saw a young ulna (M) from El Cajon, killed by Mrs. Cleveland.

TUESDAY, JULY 19, 1932

201st
Day

St. Vincent de Paul

165 Days
to come

Tonight I checked the 9
rattlers lately loaned by MVZ;
8 leucopus and 1 scute from
Nevada.

WEDNESDAY, JULY 20, 1932

202nd
Day

St. Jerome

164 Days
to come

Went to Rose Canyon today
and back by way of Camp Kearney
and Mission Valley. 35 miles.
1 Juvenile garter DOR Camp Kearney
grass.

Tonight pickled 19 snakes then
went to a movie.

THURSDAY, JULY 21, 1932

203rd
Day

163 Days
to come

FRIDAY, JULY 22, 1932

204th
Day

St. Mary Magdalen

162 Days
to come

Pickled 7 snakes this evening

SATURDAY, JULY 23, 1932

205th
Day

161 Days
to come

Worked this afternoon on sex distribution-
amongst the rattlers. Out in the
evening. Heard Hyla regilla on Pt. Soma

SUNDAY, JULY 24, 1932

206th
Day

Pioneer's Day (Utah)

160 Days
to come

Worked all day and evening on
sex distribution making many
tabulations and completed the
first draft of this section.

MONDAY, JULY 25, 1932

207th
Day

St. James

159 Days
to come

Dr. M^E Kay around tonight to
discuss his experiments and a
new supply of venom.

TUESDAY, JULY 26, 1932

208th
Day

St. Anne

158 Days
to come

WEDNESDAY, JULY 27, 1932

209th
Day

157 Days
to come

Gave Dr. m

THURSDAY, JULY 28, 1932

210th
Day

Beginning of European War, 1914

156 Days
to come

Recd Today from Benedict
a small Cal King from
San Diego. Cat was playing
with it; it seems unharmed.

Gave Dr. Mc Kay a
considerable quantity of
assorted Vampires.

FRIDAY, JULY 29, 1932

211th
Day

155 Days
to come

Recd today from Blakely of the
Co a large box taken in Mussey
Grade 4 way up

SATURDAY, JULY 30, 1932

212th
Day

154 Days
to come

Worked all afternoon and late into the evening on lepidosis of rattlers, particularly gradually increasing variation through brood to under locality. Tabulations are slow, but made some headway; also the problem is becoming better formulated.

SUNDAY, JULY 31, 1932

213th
Day

St. Ignatus, Loyola

153 Days
to come

Worked hard all day - same problem as yesterday. Made some headway, but the tabulating is a lot of work.

Out to dinner tonight.

MONDAY, AUGUST 1, 1932

214th
Day

152 Days
to come

C K Johnson of Sacramento
called today and gave me three
rattlers of which two were alive, but
the other dead and too far gone to save.
Worked on broods tonight.

TUESDAY, AUGUST 2, 1932

215th
Day

151 Days
to come

WEDNESDAY, AUGUST 3, 1932

216th
Day

150 Days
to come

Today completed first draft
of section of paper dealing with
number of eggs in the Platteville series.

THURSDAY, AUGUST 4, 1932

217th
Day

149 Days
to come

Today drove up to the Olympic
games in Los Angeles. Started at
9³⁰; arrived about 1 P.M. with
gg & Alice. A clear warm day.
Went up the coast.

| | | | | |
|---|-------------|---|-----|--------------------------|
| 1 | Boyles King | L | DoR | Rose Canyon Grass |
| 1 | do | S | " | Stuart Grass |
| 1 | do | L | " | San Mateo " |
| 1 | do | L | " | Doheny Park |
| | | | | Cliff Beach |
| 1 | do | L | DoR | Compton |
| | | | | Orchards. narrow stripes |

FRIDAY, AUGUST 5, 1932

218th
Day

148 Days
to come

Drove back from Los Angeles
in darkness. Saw several dead
snake possibilities but did not stop.

SATURDAY, AUGUST 6, 1932

219th
Day

Transfiguration

147 Days
to come

Recd a fine *stephensi* from
Plant 3, Bishop Creek, 9 miles
from Bishop. Elevation 6000 ft.
left at the zoo.

Mulled 13 snakes at the zoo
this afternoon; cleared up all
available.

Von Parkinson called this afternoon
and was shown around.

Heard from Grace Wiley of a catbox
born July 17 1932. Probably mated
in captivity.

SUNDAY, AUGUST 7, 1932

220th
Day

146 Days
to come

Drove to Los Angeles and
back today with ~~ink~~ to see
finals of Olympic Track events.
started at 8 AM; returned at 11³⁰
PM. Traveled too fast to check
anything.

MONDAY, AUGUST 8, 1932

221st
Day

145 Days
to come

Von Parkinson worked in the
basement for the first time.

TUESDAY, AUGUST 9, 1932

222nd
Day

144 Days
to come

Went to El Cajon Rotary today.
a cool day. 30 miles. Nothing
seen.

Recd from one of the boys in
the office a large ring neck
found in a San Diego basement.

WEDNESDAY, AUGUST 10, 1932

223rd
Day

President Hoover,—Born 1874

143 Days
to come

Pickled rattlers tonight.

THURSDAY, AUGUST 11, 1932

224th
Day

142 Days
to come

Some tabulating done tonight.

FRIDAY, AUGUST 12, 1932

225th
Day

141 Days
to come

Some tabulating done tonight.

SATURDAY, AUGUST 13, 1932

226th
Day

140 Days
to come

Recd today from Barrett via
Cota, 2 med C. oreganus from
Warner Ranch.

Completed the egg correlation
today; began the weight-length
correlation.

At Allison's tonight.

Mrs. Wiley writes she has
an atrox weighing $12\frac{1}{2}$ lbs.; gained
almost 5 lbs in $2\frac{1}{2}$ years.

SUNDAY, AUGUST 14, 1932

227th
Day

139 Days
to come

Worked hard all day on the
length-weight correlation. Made good
head way on the derivation of curves
and equations therefore of the
type $W = x L^y$

MONDAY, AUGUST 15, 1932

228th
Day

Panama Canal Opened 1914
Assumption B. V. M.

138 Days
to come

more tabulating tonight.

TUESDAY, AUGUST 16, 1932

229th
Day

Bennington Battle Day (Vt.)

137 Days
to come

Some records from garden

| | | | |
|----------------|------|------------|-------|
| 1 Coral King | L | Pine Hills | July |
| 1 Western YB | S | " | June. |
| 1 Cal garter | city | | July |
| 1 Cal King | M | " | July. |
| 1 Spotted nite | " | | June. |

WEDNESDAY, AUGUST 17, 1932

230th
Day

136 Days
to come

Out tonight

THURSDAY, AUGUST 18, 1932

231st
Day

135 Days
to come

Scale counts tabulations
tonight.

Hevy back from the Mono Basin
Country

FRIDAY, AUGUST 19, 1932

232nd
Day

134 Days
to come

Out this evening.

SATURDAY, AUGUST 20, 1932

233rd
Day

133 Days
to come

Milked rattlers this afternoon.
Then miscellaneous storing and filing;
cleaning up in the basement.

SUNDAY, AUGUST 21, 1932

234th
Day

132 Days
to come

Worked all day in the basement.
Put away all specimens. Tagged
Huey's catch. Did not get on
the rattles problem until evening.
Then worked on lepidosis.

Recd today from Jack Ward,
Julian a med. gopher.

MONDAY, AUGUST 22, 1932

235th
Day

131 Days
to come

C. E. and May Burt here today
working on horned toads. left
at 4 P.M. Had a good visit
with them.

TUESDAY, AUGUST 23, 1932

236th
Day

130 Days
to come

This evening talked to the medical staff of the County Hospital on rattlers.

WEDNESDAY, AUGUST 24, 1932

237th
Day

St. Bartholemew

129 Days
to come

This morning went out to Flinn Springs to look at lines. Quite hot in the back country. 50 miles.

1 R. lecontei DOR M Flinn Spr. Brush-rocks
1 C. c. oreganus DOR M Fletcher Hills Lt brush.

In the afternoon went to La Jolla to meeting of the staff. 22 miles nothing seen.

Today Sumner gave me a rattler (C. c. oreganus) which he has had in captivity for 3 years since Sept. 1929. It is very vicious; rattles violently when approached and strikes at any object brought nearby. He doesn't know how many rattles it had when he first got it; maybe 3 to 5. It now has 10 complete rattles and is 860 mm long.

THURSDAY, AUGUST 25, 1932

238th
Day

128 Days
to come

Wallace F. Wood writes me
he took a *Phyllorhynchus*
decurtatus at Mt. Spring just
east of S.D. Co. line.

Today checked a few rattlesnake
scale counts.

FRIDAY, AUGUST 26, 1932

239th
Day

127 Days
to come

Pickled specimens tonight and
counted scales.
Taught Philip to count scales.

SATURDAY, AUGUST 27, 1932

240th
Day

126 Days
to come

This afternoon pickled specimens; also counted scales.

Worked today on the weight-length correlations.

Amongst 4 specimens of abyssus from Grand Canyon was one from Cedar Mt which has strong and peculiar mitchellii tendencies.

SUNDAY, AUGUST 28, 1932

241st
Day

125 Days
to come

Worked hard and consistently all day on the weight-length correlation and made good headway. Takes lots of time for calculations and plotting. Practically complete except making up curve sheet for figure and summary of conclusions.

MONDAY, AUGUST 29, 1932

242nd
Day

124 Days
to come

TUESDAY, AUGUST 30, 1932

243rd
Day

123 Days
to come

A little tabulating done.

WEDNESDAY, AUGUST 31, 1932

244th
Day

122 Days
to come

Recd today from Gander
a young bullfrog from Lake
Hodges; evidently *Rana catesbeiana*
Young & adults said to be common
there.

THURSDAY, SEPTEMBER 1, 1932

245th
Day

121 Days
to come

Reed today from Kelly &
worm snakes 1 med, 1 L from a
manhole in Santa Fe Ranch.

Worked on rattler data for
Barbour tonight.

FRIDAY, SEPTEMBER 2, 1932

246th
Day

120 Days
to come

Come tabulating tonight.

SATURDAY, SEPTEMBER 3, 1932

247th
Day

119 Days
to come

Today recd from Nat. Hist. Soc.
1 L garter, San Diego Sept 1 31
1 L Cal King " "
1 S. Hypsiglena. Coll. Aug 31

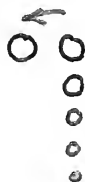
Spent the afternoon pickling
specimens and working on fang
lengths to if anything significant
here.

SUNDAY, SEPTEMBER 4, 1932

248th
Day

118 Days
to come

Spent the entire day and evening
on fang correlation with head
size and total length; also head
size with total length. Fang
measurements are very difficult.
Developed for the first time the
theory that the fangs come
into the sockets alternately and
not as Weir Mitchell states
from the inside outward



Weir
Mitchell



Smk

MONDAY, SEPTEMBER 5, 1932

249th
Day

Labor Day

117 Days
to come

Spent today on rattles mostly calculations and writing up. Made good progress on this. Checked yesterday's theory by cutting cross-sections and found it ok. Also found that Phisalix beat me to it.

TUESDAY, SEPTEMBER 6, 1932

250th
Day

Battle of the Marne, 1914

116 Days
to come

Went to El Cajon Rotary
club today. A moderately
warm day. 30 miles. Cal.
King L DOR Fletcher Hills.
Grass.

WEDNESDAY, SEPTEMBER 7, 1932

251st
Day

115 Days
to come

Went to Los Angeles tonight
to interchange meeting

THURSDAY, SEPTEMBER 8, 1932

252nd
Day

Nativity B. V. M.

114 Days
to come

Returned from Los Angeles on
evening train

Spent the afternoon with Hill in
the LA Museum and got a
complete list of southwestern
locality records.

FRIDAY, SEPTEMBER 9, 1932

253rd
Day

113 Days
to come

Spent all day and evening
measuring fangs.

SATURDAY, SEPTEMBER 10, 1932

254th
Day

112 Days
to come

Milked 12 Rattlers this
afternoon.

Noted one oreganus that
had 2 fangs on a side, I fixed
the other still loose. As far
as we could see venom came
only from the old fang. This had
the tip broken.

Put specimens away
Out to dinner.

SUNDAY, SEPTEMBER 11, 1932

255th
Day

111 Days
to come

Worked from 7 to 7. Pickled 13 snakes.
The rest of the time measuring fangs.

MONDAY, SEPTEMBER 12, 1932

256th
Day

Old Defenders Day (Baltimore)

110 Days
to come

Recd today from Gas Co a
small ring neck from San Diego
and from Pepton a small Cal. King
from
measured fangs on terrificus and
tigris tonight.

TUESDAY, SEPTEMBER 13, 1932

257th
Day

109 Days
to come

measured fangs tonight

WEDNESDAY, SEPTEMBER 14, 1932

258th
Day

"Star Spangled Banner" Composed 1777

108 Days
to come

Measured fangs tonight.
Had a letter today from Bogert
giving his experiences at the
Hopi Snake dance. Reports
Confluents at Shimopori and
Hotevilla. Molosus at Culero,
New Mexico.

THURSDAY, SEPTEMBER 15, 1932

259th
Day

107 Days
to come

Recd today from Nat West Soc
a *Cnemidophorus tessellatus* from
La Tolla.

Examined the rattler picked up
by Bogert at Shimopovi after the
dance. The mouth is in bad shape.
All the fangs have been cut out
and there are deep holes here. Even
the rudimentary fangs are gone.
Maxillary sockets are gone. There
are cuts on each side - not just torn
out.

FRIDAY, SEPTEMBER 16, 1932

260th
Day

106 Days
to come

Some tabulating and a movie
tonight.

SATURDAY, SEPTEMBER 17, 1932

261st
Day

U. S. Constitution Adopted 1787

105 Days
to come

Spent the afternoon and evening
working on fang correlations

SUNDAY, SEPTEMBER 18, 1932

262nd
Day

104 Days
to come

Spent all day and evening
on fang correlations except
a part of the afternoon at Wange.

MONDAY, SEPTEMBER 19, 1932

263rd
Day

103 Days
to come

Fangs tonight. Allan gives the following locality.

Boyd's King, Red River Lodge,
1 mi. S. of Benbow, Mendocino Co.

TUESDAY, SEPTEMBER 20, 1932

264th
Day

102 Days
to come

Fangs tonight

WEDNESDAY, SEPTEMBER 21, 1932

265th
Day

St. Matthew

101 Days
to come

Dinner to Allan tonight

THURSDAY, SEPTEMBER 22, 1932

266th
Day

100 Days
to come

Dr. Leo Loeb called today.
Worked on fangs tonight

FRIDAY, SEPTEMBER 23, 1932

267th
Day

First Day of Autumn

99 Days
to come

Recd from Abbott a small M. lateralis
Out to dinner tonight.

SATURDAY, SEPTEMBER 24, 1932

268th
Day

98 Days
to come

Saw an alligator lizard
in the Gould's garden today.

Worked on fangs all afternoon
and evening.

SUNDAY, SEPTEMBER 25, 1932

269th
Day

97 Days
to come

Worked on the fang paper all day. Tonight it is practically finished. Saw a juvenile gopher caught in Scott's garden.

Recd today from Yoder 139 live juvenile *atrox*. There were 3 dead and one had been eaten by a larger specimen. ^(but a juvenile also) Also yearlings. The eater was 484 mm long; the eaten (thrown up Sept. 27) 312 mm long.

MONDAY, SEPTEMBER 26, 1932

270th
Day

96 Days
to come

Pickled a few snakes today.
Out to dinner tonight.

TUESDAY, SEPTEMBER 27, 1932

271st
Day

95 Days
to come

Out to dinner. Pickled 10 rattlers
today. Milked 7.

WEDNESDAY, SEPTEMBER 28, 1932

272nd
Day

94 Days
to come

Milked the juvenile atrox
today and pickled 3^{rs}.

THURSDAY, SEPTEMBER 29, 1932

273rd
Day

St. Michael and All Angels

93 Days
to come

Went out to Halserson Canyon; out
by Highway back by Campo Highway.
A cool windy day. 53 miles.
1 gopher 7 1/2 mile grass DOR trailow
Park.

Pickled 3 young rattlers.

FRIDAY, SEPTEMBER 30, 1932

274th
Day

St. Jerome

92 Days
to come

Picked 10 little nutters.
Worked late on Head - Body
ratio.

SATURDAY, OCTOBER 1, 1932

275th
Day

Missouri Day
Jewish New Year

91 Days
to come

Packed 3 or 4 little rattlers today
Spent the rest of the time working
on head ratios until late at night.

On Sept 18th E.V. Potter shot
a large female Pacific Rattlesnake at
Tapatula. Contained 10 young in
capsules, evidently just ready
for birth. One was loosened by
the shot and this he saved,
the others were destroyed. This
one was kept until Oct 1 when it
died. evidently difficulty with
shedding. Its dimensions then
were L 269 - T 19 or H 17.8, W 17g.
It had not yet shed and therefore
had the pre button. This was
loosened and found to come
off as a part of the skin.

SUNDAY, OCTOBER 2, 1932

276th
Day

Guardian Angel

90 Days
to come

Completed pickling the young
atrox (there are 139).

Worked all day and late into
the evening on head-length
correlation. Made good progress.
Found it a straight line plus a
constant.

MONDAY, OCTOBER 3, 1932

277th
Day

89 Days
to come

Worked this evening on head-length
ratio.

TUESDAY, OCTOBER 4, 1932

278th
Day

St. Francis of Assisi

88 Days
to come

Miscellaneous tabulating
tonight.

WEDNESDAY, OCTOBER 5, 1932

279th
Day

87 Days
to come

Worked on head-length. Completed
equations of $H-L$

THURSDAY, OCTOBER 6, 1932

280th
Day

86 Days
to come

Worked on H-L correlation

FRIDAY, OCTOBER 7, 1932

281st
Day

85 Days
to come

Tonight worked on maximum and minimum lengths. Have to determine these before H-L schedule can be completed.

SATURDAY, OCTOBER 8, 1932

282nd
Day

84 Days
to come

Went out to Peckham's Ranch south of Pine Hills in the afternoon. A warm clear day. Arrived about 4³⁰. 62 miles.

1 gopher Juv. DOR (Squirming) at Rurrrerew-sawd specimen - grass.

1 gopher Juv alive. Ramona. Put him off the road. Brush.

Looked about for *Ensatanis* tonight. Too dry; nothing found.

SUNDAY, OCTOBER 9, 1932

283rd
Day

83 Days
to come

Began to rain this A.M. Stayed indoors all day.

In the evening went out in the heavy rain and got 9 *Ensatinia*. 6 were walking along close to the house foundations. Here the rain was kept off by the eaves. It was moist but not wet. 2 of the others were found along the road where partially protected by an overhanging bank the other in the same position relative to a bank. This was about 8 P.M. and the rain was falling heavily. Would have got more but the flashlight was poor and had no suitable boots or rain coat.

MONDAY, OCTOBER 10, 1932

284th
Day

Jewish Day of Atonement
St. Francis Borgia

82 Days
to come

left Beckham's about 10 AM.
Roads rather bad but got out OK.
It had rained S.I. in the 24 hrs
before. Saw a couple of S.g. Vandenburg
haines.

Nothing seen on the way to town.
It was hot and sultry. 62 miles.

TUESDAY, OCTOBER 11, 1932

285th
Day

81 Days
to come

Went to El Cajon Rotary this noon.
Clear cool day. Out Broadway -
back Fletcher Hills. 30 miles. Nothing
seen.

WEDNESDAY, OCTOBER 12, 1932

286th
Day

Columbus Discovered America, 1492

80 Days
to come

Went to Los Angeles this evening

THURSDAY, OCTOBER 13, 1932

287th
Day

St. Edward

79 Days
to come

Returned from Los Angeles this
afternoon.
Milked 11 rattlers tonight.

FRIDAY, OCTOBER 14, 1932

288th
Day

78 Days
to come

Went to a movie. Did a little
tabulating

SATURDAY, OCTOBER 15, 1932

289th
Day

St. Teresa

77 Days
to come

Pickled rattlers all afternoon.

Notes on a large *Pituophis* from
Indian Gardens, Grand Canyon loaned
by Mc Kee.

L-1861 T 225 C Sc 29 V 263 C 60
Body spots 70 Tail 19 single precs.

Worked all evening on various
aspects of length; particularly
deducing min. and max lengths

SUNDAY, OCTOBER 16, 1932

290th
Day

76 Days
to come

Worked all day and evening
on length. Found this a
hard subject to organize and
correlate.

MONDAY, OCTOBER 17, 1932

291st
Day

75 Days
to come

Dispersion in broods tonight.

TUESDAY, OCTOBER 18, 1932

292nd
Day

St. Luke

74 Days
to come

Dispersion in broods.

WEDNESDAY, OCTOBER 19, 1932

293rd
Day

73 Days
to come

Studying correlation of F-H
and L in terms of Pearson
correlation formulae

THURSDAY, OCTOBER 20, 1932

294th
Day

72 Days
to come

Came home sick at noon
with a bad cold.

Boa turned in to Nat. Hist. Mus.
from $1\frac{1}{2}$ mi. W. of Bonsall on Oceanside
Highway. J.C. La Force & S.E. Poyer.
Med. size.

FRIDAY, OCTOBER 21, 1932

295th
Day

71 Days
to come

Sick in bed all day.

SATURDAY, OCTOBER 22, 1932

296th
Day

70 Days
to come

Better today. Up in the afternoon,
but did no work.

Huey brought in a small
boa for the nat. Hist. collection.

Huey began removing the
nat. Hist. collection from the
basement this AM.

SUNDAY, OCTOBER 23, 1932

297th
Day

69 Days
to come

Today did some checking
on CAS collection of young
Oregonus from Mendocino Co. Not
well enough to work steadily.

MONDAY, OCTOBER 24, 1932

298th
Day

St. Raphael

68 Days
to come

Huey removed the rest of
the museum collection from
my basement tonight.

Figured a little on coarelations.

TUESDAY, OCTOBER 25, 1932

299th
Day

67 Days
to come

Went to El Cajon Rotary for lunch today. A clear, warm, dry day. Out Broadway; back Fletcher Hills.

1 Gopher Twp. DOR Chollas Hts. H Brush
1 do do do Fletcher Hills do.

Didn't do much tonight; too tired and groggy.

WEDNESDAY, OCTOBER 26, 1932

300th
Day

66 Days
to come

Worked on the collection tonight.
labels, putting up in bottles etc.

THURSDAY, OCTOBER 27, 1932

301st
Day

Theodore Roosevelt, — Born 1858

65 Days
to come

Too tired to do much tonight;
made a few jar labels
getting ready for overhauling entire
collection.

FRIDAY, OCTOBER 28, 1932

302nd
Day

St. Simon and St. Jude

64 Days
to come

Philharmonic tonight.

Did quite a bit of work on the collection - particularly labeling jars.

A few records from the collection of the Museum of Northern Arizona
L. pyromelana J.D. Dam near Williams.

P. c. rutilus Medicine Valley,
NE side San Francisco Peaks
Transition zone. Also Turkey
Tanks east of Flagstaff.
Upper Sonoran forest.

T. o. vagrans in Turkey Tanks.
Caught under 1 ft. of water.

P. c. deserticola from McKee.
Caught at Indian Garden, Grand
Canyon. L 1861, Tr 5c, V 263,
Sc 60 Scale Rows 29 Body spots 70
Tail 19. ♀ Comes out stepnegeri
by Van Denburgh, sayi affinis
by Stull-Davis.

SATURDAY, OCTOBER 29, 1932

303rd
Day

63 Days
to come

Spent the entire afternoon in the basement,
pickling specimens, labeling jars,
identifying specimens, packing borrowed
material for shipment etc.

SUNDAY, OCTOBER 30, 1932

304th
Day

62 Days
to come

Spent all day on the length problem. Found it unexpectedly difficult to organize but finally got it in fair shape.

Philip moved most of the specimens out of the storeroom today, making ready for the new shelves.

MONDAY, OCTOBER 31, 1932

305th
Day

Hallowe'en

61 Days
to come

Went out to Flinn Springs
today. Out Broadway. Back
via Fletcher Hills 53 miles.
Warm day. Nothing seen.

TUESDAY, NOVEMBER 1, 1932

306th
Day

All Saints Day (La.)

60 Days
to come

Out to supper tonight.

WEDNESDAY, NOVEMBER 2, 1932

307th
Day

All Souls

59 Days
to come

Started work on venom
tabulations tonight.

THURSDAY, NOVEMBER 3, 1932

308th
Day

58 Days
to come

Worked a little on tabulations

FRIDAY, NOVEMBER 4, 1932

309th
Day

57 Days
to come

Pickled snakes - then out to dinner

SATURDAY, NOVEMBER 5, 1932

310th
Day

56 Days
to come

Pickled snakes part of the
afternoon - then started work
on the Renon tubulations.

SUNDAY, NOVEMBER 6, 1932

311th
Day

55 Days
to come

Worked all day and evening
on the venom tables.

MONDAY, NOVEMBER 7, 1932

312th
Day

54 Days
to come

Some tabulating tonight.

TUESDAY, NOVEMBER 8, 1932

313th
Day

Election Day

53 Days
to come

Went out to Esccondido via
Murphy Canyon, then Ramona
by new Clewinger Grade and
home by Highway. 93 miles.
I gartered med DOR still squirming
at the mesa toward junction.
Grass.

Nothing done tonight; listening
to election returns.

WEDNESDAY, NOVEMBER 9, 1932

314th
Day

52 Days
to come

Pick tonight.

THURSDAY, NOVEMBER 10, 1932

315th
Day

51 Days
to come

Drove to Los Angeles (meeting
Interchange Committee) Started at
6⁵⁰: Arrived at 9⁴⁵. A clear
cool morning. 121 miles. 1 Boyles
King Small BOR at San Onofre.
Brush. & other possible snakes seen.
Returned in the evening after
dark.

FRIDAY, NOVEMBER 11, 1932

316th
Day

World War Armistice Signed 1918

50 Days
to come

Spent the morning pickling
snakes and photographing with
Kobler. Got pictures of the
striking coil and open mouth.
Spent the afternoon pickling
and on misc. filing.
Not feeling well.

Stewart began work in
the basement this ~~summer~~
morning.

SATURDAY, NOVEMBER 12, 1932

317th
Day

49 Days
to come

Pickled snakes and took care
of miscellaneous filing this
afternoon. Worked late tonight
on venom statistics

SUNDAY, NOVEMBER 13, 1932

318th
Day

48 Days
to come

Worked all day and evening
on the Roman grade paper and
made good progress. got it
well worked into shape.

MONDAY, NOVEMBER 14, 1932

319th
Day

47 Days
to come

Worked up some Vernon statistics
today. tonight

TUESDAY, NOVEMBER 15, 1932

320th
Day

46 Days
to come

Worked on specimens in the
basement tonight.

WEDNESDAY, NOVEMBER 16, 1932

321st
Day

45 Days
to come

Carpenter finished remodeling
shelving today.

Recd today from the zoo a
family of boas

Mother was collected about 4 mi
W. of Santee in Mission Gorge
about Sept. 1.

2 Young alive

1 Born alive but died.

2 Born dead (1 squirmed a little in alky).

1 Very defective
6

They show adult coloration. Not
brighter or with more definite
horizontal lines.

THURSDAY, NOVEMBER 17, 1932

322nd
Day

44 Days
to come

Drove to Los Angeles this afternoon in time to catch the sunset for San Francisco. A clear warm day. Went up the coast to Long Beach. Nothing seen.

FRIDAY, NOVEMBER 18, 1932

323rd
Day

43 Days
to come

Arrived in San Francisco at 8¹⁵
Went to the Calif. Academy at 9¹⁰
and stayed until 9⁴⁵ getting
material upstairs for future work.
and making arrangements with
Pleerin.

Back at the Academy at
3¹⁰ and worked until 6 P.M.
Measured fangs on 2 concolor
and 2 ruber. Then made scale
counts and measurements on
5 Coronado Island Oreganus and
8 molossus.

SATURDAY, NOVEMBER 19, 1932

324th
Day

42 Days
to come

Caught the 8 AM boat for Berkeley arriving at MVZ at 9. Worked until 9¹⁰ and then left for the game. Saw Grinnell, Hensdale, Camp and Fitch.

Checked the new material in the museum. Measured the lengths of cerastes, piecei, 1 adamantinus and a couple of mitches.

SUNDAY, NOVEMBER 20, 1932

325th
Day

41 Days
to come

Worked at the Academy today
from 9¹⁰ AM to 5⁵⁰ P.M.

Cleared up cerastes, horridus,
lutosus and some scutes.

All kinds of counts to complete
the sheets.

Worked all evening transferring
data to sheets.

MONDAY, NOVEMBER 21, 1932

326th
Day

Presentation B. V. M.

40 Days
to come

Worked at the Academy today
from 8⁴⁰ to 4¹⁰ - no lunch.

Cleared up molossus, lepidus,
pricei, willardi, Tikuron Island
atrox, terrificus and some
odds and ends.

Locality records in MVZ

C. scutulatus 6-10-32
4 mi. SW of Dolm's Spring,
3050 ft., Mohave Co., Ariz.

C. scutulatus 18 mi. NE of
Salome, Yuma Co., Ariz. April 27, 1919

C. c. confluentus. Field No 1626 Tanner
Tank, Coconino Co., Ariz. 8/6/32 L. Kellogg

C. c. confluentus CASS 4262
Coyote Lake, Bailey Co Tex.
Aug 24, 1921 A skin, examined
and found OK

TUESDAY, NOVEMBER 22, 1932

327th
Day

St. Cecilia

39 Days
to come

Drove down from Los Angeles
this morning - cool and with
some fog.

1 garter, DOR Stuart medium
grass - still squirming.

Worked late tonight on the
material gathered in the north -
clerical work and tabulating

WEDNESDAY, NOVEMBER 23, 1932

328th
Day

38 Days
to come

Mell passed away this evening.

THURSDAY, NOVEMBER 24, 1932

329th
Day

Thanksgiving Day

37 Days
to come

FRIDAY, NOVEMBER 25, 1932

330th
Day

36 Days
to come

SATURDAY, NOVEMBER 26, 1932

331st
Day

35 Days
to come

SUNDAY, NOVEMBER 27, 1932

332nd
Day

First Sunday in Advent

34 Days
to come

Today completed replacement of specimens in the storeroom. Everything now completed in the basement — all in order — except 3 live specimens to pickle and the first 54 of the South Dakota series from Gloyd which arrived yesterday

MONDAY, NOVEMBER 28, 1932

333rd
Day

33 Days
to come

Worked until midnight tonight going
over record sheets and rearranging
tabs etc. Finished 14 books out of
21.

TUESDAY, NOVEMBER 29, 1932

334th
Day

32 Days
to come

Still working on the file
sheets, rearranging etc.

WEDNESDAY, NOVEMBER 30, 1932

335th
Day

St. Andrew

31 Days
to come

Milked 48 of Gloyd's first lot
of 54 confluents from South Dakota.
Took until 9 P.M.; also pickled 16
of the yearlings.

THURSDAY, DECEMBER 1, 1932

336th
Day

30 Days
to come

Went to La Jolla on a committee
meeting 15 miles. Nothing seen

FRIDAY, DECEMBER 2, 1932

337th
Day

29 Days
to come

Some miscellaneous filing.

SATURDAY, DECEMBER 3, 1932

338th
Day

St. Francis Xavier

28 Days
to come

Finished overhauling all the record
sheets. Checked spots and eggs on
prices. Miscellaneous filing

SUNDAY, DECEMBER 4, 1932

339th
Day

Second Sunday in Advent

27 Days
to come

Spent the entire day and evening
pickling and measuring 38 South
Dakota confluentes. Got some interesting
egg data.

MONDAY, DECEMBER 5, 1932

340th
Day

26 Days
to come

Recd today from Bogert an interesting specimen of stephensi from the Culico Mts, N. of Barstow. Rechecked the stephensi - mittchellii contact and find it to be south of where I formerly supposed; probably south of Barstow.

Recd today some basilius polystictus and lepidus from the AMNH for checking. Spent the evening measuring jaws etc.

TUESDAY, DECEMBER 6, 1932

341st
Day

25 Days
to come

WEDNESDAY, DECEMBER 7, 1932

342nd
Day

24 Days
to come

Did some counting tonight.

THURSDAY, DECEMBER 8, 1932

343rd
Day

Immaculate Conception

23 Days
to come

Went to Riverside today. a cold windy day. Nothing seen. miles in county 130; total 234.

Worked tonight on head ratios based on new measurements lately secured in the north

FRIDAY, DECEMBER 9, 1932

344th
Day

22 Days
to come

Tonight prepared data for talk
tomorrow night.

SATURDAY, DECEMBER 10, 1932

345th
Day

21 Days
to come

Went to Los Angeles to USC - Notre Dame game and to give a talk on the Rattlers of the South West before the Southern Calif. Acad. of Sciences at the library at 7³⁰. Returned at 9²⁵ in the evening arriving at 12³⁰.

The morning trip was made starting at 9¹⁵. It was cold and rainy, nothing was seen.

SUNDAY, DECEMBER 11, 1932

346th
Day

Third Sunday in Advent

20 Days
to come

Worked all day and evening.
Went over the Venn section.
Corrected some statistical data in
other sections.
Packed borrowed specimens for
shipment.
Counted scales in the South Dakota
series.

MONDAY, DECEMBER 12, 1932

347th
Day

19 Days
to come

Company tonight - fixed up a
few statistics.

TUESDAY, DECEMBER 13, 1932

348th
Day

18 Days
to come

Worked tonight on the
known conclusions.

WEDNESDAY, DECEMBER 14, 1932

349th
Day

17 Days
to come

Tonight gave a talk to the
extension class of State College
at the Zoo research building on
Rattles of Southwest.

Worked on venom-weight
correlation

THURSDAY, DECEMBER 15, 1932

350th
Day

16 Days
to come

Bogert records X. vigilis 25
mi. W.W. of Las Vegas on the road
to Death Valley.

FRIDAY, DECEMBER 16, 1932

351st
Day

15 Days
to come

Reed today. from Gloyd
50 more ~~confluentia~~ from
South Dakota

SATURDAY, DECEMBER 17, 1932

352nd
Day

14 Days
to come

Miscellaneous attention to
specimens this afternoon.
Milked gloyds recent arrivals.

SUNDAY, DECEMBER 18, 1932

353rd
Day

Fourth Sunday in Advent

13 Days
to come

Worked hard all day pickling
specimens. Finished 35 of glogds
rattles

MONDAY, DECEMBER 19, 1932

354th
Day

12 Days
to come

a few scale counts today.

TUESDAY, DECEMBER 20, 1932

355th
Day

11 Days
to come

Scale counts etc.

WEDNESDAY, DECEMBER 21, 1932

356th
Day

St. Thomas

10 Days
to come

Went to Los Angeles this
evening.

11

Alvora should be 4.4 ^{vol}

THURSDAY, DECEMBER 22, 1932

357th
Day

First Day of Winter

Shortest Day of Year

9 Days
to come

Returned from Los Angeles this
afternoon. Wrote the introduction
to new paper.

↑

Above should be 23rd

FRIDAY, DECEMBER 23, 1932

358th
Day

8 Days
to come

SATURDAY, DECEMBER 24, 1932

359th
Day

7 Days
to come

Received today from Gloyd
the remainder of the South
Dakota Series; about 5-14
specimens.

Spent the afternoon in
miscellaneous filing etc. also
getting Gloyd's material ready.
Prepared material for Perkins to take
on his trip.

SUNDAY, DECEMBER 25, 1932

360th
Day

Christmas Day

6 Days
to come

Cook called today.

Worked as much of the day
and evening as permitted by
Xmas festivities. Pickled and
milked about 75 of the South
Dakota series.

MONDAY, DECEMBER 26, 1932

361st
Day

St. Stephen

5 Days
to come

milled the remainder of the South Dakota series. Also made quite a few scale counts. Cook worked all day and pickled about 40 specimens. Alcohol shortage caused considerable annoyance.

TUESDAY, DECEMBER 27, 1932

362nd
Day

St. John Evangelist

4 Days
to come

Cooks worked all day today
and pickled 55 leaving 37 still
to go. Are badly handicapped
by the alcohol shortage. Borrowed
5 gals. from the Zoo.

Cook worked three days
and counted 19 snakes in L.A.

| | | |
|-------------|-----------------|-------------------|
| 3 days @ | 4 ⁰⁰ | 12 ⁰⁰ |
| 19 sheets @ | 10¢ | 19 ⁰⁰ |
| | | <hr/> |
| | | 139 ⁰⁰ |

Still due me \$6¹⁰

WEDNESDAY, DECEMBER 28, 1932

363rd
Day

Holy Innocents

3 Days
to come

Rate case. a little counting
tonight.

THURSDAY, DECEMBER 29, 1932

364th
Day

2 Days
to come

Finished counting 50 Pan
Patricius tonight.

FRIDAY, DECEMBER 30, 1932

365th
Day

1 Day
to come

Counted a few scales and worked
on short fang paper for Science

SATURDAY, DECEMBER 31, 1932

366th
Day

St. Sylvester

Cook worked part of the day and finished peckling the South Dakota series.

I counted scales with Philip.
Finished Science gang papers.

Took stock roughly today.
Have about 9616 specimens after deducting those traded off. This included about 3100 rattlers.

This year have acquired about 3535 specs including 963 rattlers.

Cook reports having seen the meaurisi at Mt. Springs within a few days.

MEMORANDA

MEMORANDA

MEMORANDA

JANUARY

[illegible]

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

[illegible]

DECEMBER

SUMMARY

| | Rec'd | | Paid | |
|-----------------------|-------|--|------|--|
| Cash on hand Jan. 1st | | | | |
| January | | | | |
| February | | | | |
| March | | | | |
| April | | | | |
| May | | | | |
| June | | | | |
| July | | | | |
| August | | | | |
| September | | | | |
| October | | | | |
| November | | | | |
| December | | | | |
| Total | | | | |
| Balance to new Acc't | | | | |

Postage Rates

Letters and First Class Matter.....2c. per oz.
Post Cards (Private Mailing Cards).....1c. each
Postal Cards (Government).....1c. each
Newspapers, Magazines and Periodicals 1c. for each 2 oz.
Circulars, Miscellaneous Printed Matter and
Merchandise (up to 8 oz.).....1c. for each 2 oz.
Books and Catalogs, Seeds and Bulbs, etc.
(up to 8 oz.).....1c. for each 2 oz.
Merchandise, Catalogs, etc. over 8 oz....Zone rates apply

AIR MAIL 5c. for first oz. 10c. for each additional oz. or fraction.

REGISTRY FEE In addition to postage. First-class and fourth-class mail sealed and prepaid with first-class postage, indemnified for \$50 or less—fee 15c.; \$100 or ur less—fee 20c. Return receipt, 3c. extra.

SPECIAL DELIVERY Provided for all classes of mail. First Class up to 2 lbs., 10c.; over 2 lbs. and up to 10 lbs., 25c.; over 10 lbs., 25c. Other Classes Up to 2 lbs., 15c.; over 2 lbs. and up to 10 lbs., 25c.; over 10 lbs., 35c. Special delivery fees in addition to postage. If ordinary postage stamps are used, "Special Delivery" must be marked on letter or package.

SPECIAL HANDLING Secures same fast transit and delivery on fourth class mail as is accorded first class mail. The additional fee is 10c. for packages weighing 2 lbs. or less; 15c., over 2 lbs. and up to 10 lbs.; 20c. over 10 lbs.

RE FORWARDING First class matter (letters, post cards, etc.) will be forwarded without extra postage. Other matter requires a new prepayment of postage.

PARCEL POST Merchandise may be sent by parcel post, the rates depending on weight and distance, concerning which, inquire at Post Office. Mail matter for Hawaii, Porto Rico, the Philippines, the Island of Guam and Tutuila, the "Canal Zone" and the Virgin Islands of the U. S., is subject to domestic rates and conditions. **FOREIGN MAIL** For rates and conditions, inquire at Post Office.

Principal Cities

Ninety-five cities over 100,000, 1930 census

| | | | |
|----------------------|-----------|----------------------|---------|
| New York, N. Y. | 6,981,927 | Fort Worth, Tex. | 160,892 |
| Chicago, Ill. | 3,375,329 | Flint, Mich. | 156,422 |
| Philadelphia, Pa. | 1,964,430 | Hollywood, Cal. | 153,294 |
| Detroit, Mich. | 1,573,965 | Nashville, Tenn. | 153,153 |
| Los Angeles, Cal. | 1,233,561 | Springfield, Mass. | 149,861 |
| Cleveland, Ohio | 900,430 | San Diego, Cal. | 147,897 |
| St. Louis, Mo. | 821,032 | Bridgeport, Conn. | 147,206 |
| Baltimore, Md. | 801,741 | Scranton, Pa. | 143,428 |
| Boston, Mass. | 787,271 | Des Moines, Iowa | 142,469 |
| Pittsburgh, Pa. | 669,742 | Long Beach, Cal. | 141,528 |
| San Francisco, Cal. | 637,212 | Tulsa, Okla. | 141,281 |
| Buffalo, N. Y. | 573,070 | Salt Lake City, Utah | 140,184 |
| Milwaukee, Wis. | 572,557 | Paterson, N. J. | 138,267 |
| Washington, D. C. | 485,716 | Yonkers, N. Y. | 135,123 |
| Minneapolis, Minn. | 462,611 | Jacksonville, Fla. | 129,682 |
| New Orleans, La. | 455,702 | Norfolk, Va. | 127,808 |
| Cincinnati, O. | 499,331 | Albany, N. Y. | 127,358 |
| Newark, N. J. | 442,842 | Trenton, N. J. | 122,610 |
| Kansas City, Mo. | 392,761 | Kansas City, Kan. | 122,327 |
| Seattle, Wash. | 369,518 | Chattanooga, Tenn. | 119,539 |
| Indianapolis, Ind. | 364,073 | Camden, N. J. | 117,172 |
| Atlanta, Ga. | 347,991 | Spokane, Wash. | 116,010 |
| Rochester, N. Y. | 325,019 | Erie, Pa. | 115,922 |
| Jersey City, N. J. | 315,642 | Fall River, Mass. | 115,201 |
| Louisville, Ky. | 307,808 | Fort Wayne, Ind. | 115,121 |
| Portland, Ore. | 301,890 | Elizabeth, N. J. | 114,557 |
| Toledo, Ohio | 290,803 | Cambridge, Mass. | 113,650 |
| Houston, Texas | 289,579 | New Bedford, Mass. | 112,836 |
| Columbus, Ohio | 289,056 | Miami, Fla. | 110,534 |
| Denver, Colo. | 287,644 | Reading, Pa. | 110,289 |
| Oakland, Cal. | 284,213 | Wichita, Kan. | 110,039 |
| St. Paul, Minn. | 270,883 | Tacoma, Wash. | 106,885 |
| Dallas, Texas | 260,397 | Knoxville, Tenn. | 105,797 |
| Birmingham, Ala. | 257,657 | Canton, Ohio | 105,524 |
| San Antonio, Tex. | 254,562 | Wilmington, Del. | 104,941 |
| Akron, Ohio | 253,653 | Peoria, Ill. | 104,358 |
| Providence, R. I. | 252,243 | South Bend, Ind. | 104,066 |
| Memphis, Tenn. | 252,049 | Somerville, Mass. | 103,604 |
| Omaha, Neb. | 214,175 | Evansville, Ind. | 101,151 |
| Syracuse, N. Y. | 207,007 | Utica, N. Y. | 102,633 |
| Dayton, Ohio | 200,225 | Lynn, Mass. | 102,327 |
| Worcester, Mass. | 196,836 | El Paso, Tex. | 101,975 |
| Oklahoma City, Okla. | 185,383 | Duluth, Minn. | 101,231 |
| Richmond, Va. | 182,883 | Waterbury, Conn. | 101,025 |
| Youngstown, Ohio | 170,004 | Tampa, Fla. | 100,910 |
| Grand Rapids, Mich. | 168,650 | Gary, Ind. | 100,749 |
| Hartford, Conn. | 163,818 | Lowell, Mass. | 100,300 |
| New Haven, Conn. | 162,650 | | |

Legal Holidays

Holidays observed in all States

| January 1 | Labor Day |
|-------------|--------------|
| February 22 | Thanksgiving |
| July 4 | December 25 |

| | |
|----------|--|
| Ala..... | Jan. 19, Feb. 17, Mar. 4, April 13, April 26, June 3, Oct. 9, Oct. 12, Nov. 11 |
| Alaska.. | Feb. 12, Mar. 30, May 30, Oct. 18 |
| Ariz.... | (Ariz.), Feb. 14, May 30, Oct. 12, Elec., Nov. 11 |
| Ark..... | Jan. 19, June 3, Oct. 12, Elec., Nov. 11 |
| Cal..... | Feb. 12, May 30, Sept. 9, Oct. 12, Nov. 11 |
| Colo.... | Feb. 12, May 30, Aug. 1, Elec., Nov. 11 |
| Conn.... | Feb. 12, Good Friday, May 30, Oct. 12, Nov. 11 |
| Del..... | Feb. 12, Good Friday, May 30, Oct. 12 |
| D. C.... | May 30 |
| Fla..... | Jan. 19, Feb. 17, Mar. 4, Good Friday, April 26, June 3, Oct. 10, Nov. 11 |
| Ga..... | Jan. 19, April 26, June 3, Nov. 11 |
| Hawaii.. | May 30, June 11, 3rd Sat. in Sept. Nov. 11 |
| Idaho.. | May 30, June 15, Oct. 12 |
| Ill..... | Feb. 12, (Feb. 25), (April 3), May 30, Oct. 12, Nov. 11 |
| Ind..... | Feb. 12, May 30, Oct. 12, Elec. |
| Iowa.... | Feb. 12, May 30, Nov. 11 |
| Kan..... | Feb. 12, May 30 |
| Ky..... | Feb. 12, May 10, May 30, Oct. 12 |
| La..... | Jan. 8, (Mardi Gras), Feb. 17, Good Friday, June 3, Oct. 12, All Saints, Election, Nov. 11 |
| Me..... | April 19, May 30 |
| Md..... | Good Friday, Mar. 25, May 30, Sept. 12, Oct. 12, Elec. |
| Mass.... | April 19, May 30, Oct. 12, Nov. 11 |
| Mich.... | Feb. 12, May 30, Elec. |
| Minn.... | Feb. 12, Good Friday, May 30, Election Nov. 11 |
| Miss.... | Jan. 19, April 26, June 3 |

Legal Holidays

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|----------|--|
| Mo..... | May 30, Elec., Nov. 11 |
| Mont.... | Feb. 12, May 30, Oct. 12, Elec., Nov. 11 |
| Neb.... | Feb. 12, April 22, May 30, Oct. 12, Nov. 11 |
| Nev.... | Feb. 12, May 30, Oct. 12, Oct. 31 |
| N. H.... | Fast Day, May 30, Oct. 12, Elec., Nov. 11 |
| N. J.... | Feb. 12, Good Friday, May 30, Oct. 12, Elec., Nov. 11 |
| N. M.... | May 30, Oct. 12 |
| N. Y.... | Feb. 12, May 30, Oct. 12, Elec. |
| N. C.... | Jan. 19, April 12, May 10, May 30, Nov. 11 |
| N. Dak. | Feb. 12, May 30, Elec., Nov. 11 |
| Ohio.... | Feb. 12, May 30, Oct. 12 |
| Okl..... | May 30, Elec. |
| Ore..... | Feb. 12, May 30, Oct. 12, Elec. |
| Pa..... | Feb. 12, Good Friday, May 30, Oct. 12, Elec., Nov. 11 |
| R. I.... | May 9, May 30, Oct. 12, Elec., Nov. 11 |
| S. C.... | Jan. 19, May 10, June 3, Election, Dec. 28 |
| S. Dak.. | Feb. 12, May 30, Elec., Nov. 11 |
| Tenn.... | Jan. 19, Good Friday, May 30, June 3, July 13, Election, Nov. 11 |
| Texas.. | Mar. 2, April 21, June 3, Oct. 12, Elec., Nov. 11 |
| Utah.... | Feb. 12, April 15, May 30, July 24 |
| Vt..... | May 30, Aug. 16, Oct. 12, Nov. 11 |
| Va..... | Jan. 19, May 30, Elec., Nov. 11 |
| Wash.... | Feb. 12, May 30, Oct. 12 |
| W. Va.. | Feb. 12, May 30, Oct. 12 |
| Wis.... | May 30, Elec. |
| Wyo.... | Feb. 12, April 25, May 30, Election |

Holidays in Parenthesis () are not Observed by all the Banks.

Holidays falling on Sunday observed the day after. Notes and acceptances due on holidays are payable day after except Nevada and Texas, where payable day before.

| JUNE. | | MAY. | | APRIL. | | MAR. | | FEB. | | JAN. | |
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| DEC. | | NOV. | | OCT. | | SEPT. | | AUG. | | JULY. | |
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